VPDES PERMIT PROGRAM FACT SHEET
FILE NO: 445

This document gives pertinent information concerning the VPDES Permit listed below. This permit is being processed as a **MAJOR INDUSTRIAL** permit.

1. **PERMIT NO.**: VA0003808 **EXPIRATION DATE**: June 29, 2011

2. **FACILITY NAME AND LOCAL MAILING ADDRESS**

Perdue Foods, LLC
22520 Lankford Highway
Accomac, VA 23301

FACILITY LOCATION ADDRESS (IF DIFFERENT)

22520 Lankford Highway
Accomac, VA 23301

CONTACT AT FACILITY:
NAME: Mr. Randy Rhoades
TITLE: Environmental Mgr
PHONE: (757)787-5289
EMAIL: Randy.Rhoades@perdue.com

CONTACT AT LOCATION ADDRESS
NAME: Same
TITLE:
PHONE: ( )

3. **OWNER CONTACT**: (TO RECEIVE PERMIT)
NAME: Mr. Kevin Dennis
TITLE: Director of Operations
COMPANY NAME: (IF DIFFERENT)
ADDRESS:

PHONE: (757)787-5289
EMAIL:

CONSULTANT CONTACT:
NAME:
FIRM NAME:
ADDRESS:

PHONE: ( )
EMAIL:

4. **PERMIT DRAFTED BY**: DEQ, Water Permits, Regional Office

Permit Writer(s): Debra Thompson Date(s): 3/31/16
Reviewed By: Dana Austin Date(s): 9/16/16

5. **PERMIT ACTION:**

( ) Issuance (X) Reissuance ( ) Revoke & Reissue ( ) Owner Modification
( ) Board Modification ( ) Change of Ownership/Name [Effective Date:]

6. **SUMMARY OF SPECIFIC ATTACHMENTS LABELED AS:**

Attachment 1	Site Inspection Report/Memorandum
Attachment 2	Discharge Location/Topographic Map
Attachment 3	Schematic/Plans & Specs/Site Map/Water Balance
Attachment 4	TABLE I - Discharge/Outfall Description
Attachment 5	TABLE II - Effluent Monitoring/Limitations
Attachment 6	Effluent Limitations/Monitoring Rationale/Suitable Data/Antidegradation/Antibacksliding
Attachment 7	Special Conditions Rationale
Attachment 8	Toxics Monitoring/Toxics Reduction/WET Limit Rationale
Attachment 9	Material Stored
Attachment 10	Receiving Waters Info./Tier Determination/STORET Data/Stream Modeling
Attachment 11	303(d) Listed Segments
Attachment 12	TABLE III(a) and TABLE III(b) - Change Sheets
Attachment 13	NPDES Industrial Permit Rating Worksheet
Attachment 14	Other Pertinent Correspondence/Information

APPLICATION COMPLETE: April 14, 2016

7. **PERMIT CHARACTERIZATION:** (Check as many as appropriate)

(X) Existing Discharge
( ) Proposed Discharge
( ) Municipal
SIC Code(s)
(X) Industrial
SIC Code(s)2015, 2077
( ) POTW
( ) PVOTW
(X) Private
( ) Federal
( ) State
( ) Publicly-Owned Industrial

(X) Effluent Limited
(X) Water Quality Limited
(X) WET Limit
( ) Interim Limits in Permit
(X) Compliance Schedule Required

( ) Site Specific WQ Criteria
( ) Variance to WQ Standards
( ) Water Effects Ratio
(X) Discharge to 303(d) Listed Segment
( ) Toxics Management Program Required
( ) Toxics Reduction Evaluation
(X) Storm Water Management Plan
( ) Pretreatment Program Required
( ) Possible Interstate Effect
( ) CBP Significant Dischargers List

8. **RECEIVING WATERS CLASSIFICATION:** River basin information.

Outfall No(s):001, 003-006, 008

Receiving Stream:	Parker Creek to Metompkin Bay to Atlantic Ocean
River Mile:	7-PAR004.83
Basin:	Chesapeake Bay, Atlantic Ocean & Small Coastal
Subbasin:	N/A
Section:	1a
Class:	III
Special Standard(s):	None
Tidal:	NO
7-Day/10-Year Low Flow:	MGD
1-Day/10-Year Low Flow:	MGD
30-Day/5-Year Low Flow:	MGD
Harmonic Mean Flow:	MGD

Outfall No(s):009

Receiving Stream:	Unnamed Tributary to Folly Creek to Atlantic Ocean
River Mile:	7-FLL002.83
Basin:	Chesapeake Bay, Atlantic Ocean & Small Coastal
Subbasin:	N/A
Section:	1a
Class:	III
Special Standard(s):	None
Tidal:	NO

9. **FACILITY DESCRIPTION:** This manufacturing operation consists of slaughtering, defeathering, eviscerating, chilling and packaging of poultry products for human consumption, and rendering offal and feather waste for animal feed ingredients.

Existing industrial discharge resulting from poultry processing and rendering operations, as well as sanitary wastewater and storm water.

10. **LICENSED OPERATOR REQUIREMENTS:** ( ) No (X) Yes Class: II

11. **RELIABILITY CLASS:** Industrial Facility - NA

12. **SITE INSPECTION DATE**: July 22, 2015 **REPORT DATE**: July 24, 2015

Performed By: Stephen Thomas-Eastern Shore Inspector & Debra Thompson-TRO Permits

SEE ATTACHMENT 1

13. **DISCHARGE(S) LOCATION DESCRIPTION**: Provide USGS Topo which indicates the discharge location, significant (large) discharger(s) to the receiving stream, water intakes, and other items of interest.

Name of Topo: Accomac, VA Quadrant No.: 120B **SEE ATTACHMENT 2**

14. **ATTACH A SCHEMATIC OF THE WASTEWATER TREATMENT SYSTEM(S) [IND. & MUN.]. FOR INDUSTRIAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE PRODUCTION CYCLE(S) AND ACTIVITIES.**

This permit addresses both process wastewater and storm water discharges through seven (7) outfalls. The primary outfall, **001**, is treated process wastewater/storm water runoff and is discharged into Parker Creek. The storm water contributions to 001 include impervious surface areas identified as the recycling center storage, cooling shed, rendering plant, food plant drum storage, mechanical storage building, and runoff from the rendering tractor trailer parking lot. Outfall **002** deleted from the permit (in 2011). Outfall **003** is surface storm water runoff from an impervious area handling traffic from the "debone tractor trailer trucks", an employee parking lot and wellness center. These flows discharge to Route 13 into Parker Creek. Outfall **004** drains impervious surface area identified as tractor trailer parking, stationary mechanical deboned meat truck storage and the processing plant building roof drains. These flows also discharge to Route 13 into Parker Creek. Outfalls **005 and 006** consist of point source runoff from agricultural fields. These flows discharge to Route 13 into Parker Creek. Outfall **007** deleted from the permit (in 2011). Outfall **008** consists of a point source flow of storm water from the sludge drying bed area and surrounding wooded area. This discharge would flow to Parker Creek. Outfall **009** is another point source flow from an agricultural area. The drainage from this area is to an unnamed tributary to Folly Creek.

SEE ATTACHMENT 3 (CAN ALSO REFERENCE TABLE I)

15. **DISCHARGE DESCRIPTION**: Describe each discharge originating from this facility.

SEE **TABLE I** (OR CAN SUBSTITUTE PAGE 2C) - **SEE ATTACHMENT 4**

16. **COMBINED TOTAL FLOW**:

TOTAL: 2.45 MGD (for public notice)

PROCESS FLOW: 2.32 MGD (IND.)

NONPROCESS/RAINFALL DEPENDENT FLOW: .129 (Est.)

17. **STATUTORY OR REGULATORY BASIS FOR EFFLUENT LIMITATIONS AND SPECIAL CONDITIONS**: (Check all which are appropriate)

- [X] State Water Control Law
- [X] Clean Water Act
- [X] VPDES Permit Regulation (9 VAC 25-31-10 et seq.)
- [X] EPA NPDES Regulation (Federal Register)
- [ ] EPA Effluent Guidelines (40 CFR 133 or 400 - 471)
- [X] Water Quality Standards (9 VAC 25-260-5 et seq.)
- [ ] Wasteload Allocation from a TMDL or River Basin Plan

18. **EFFLUENT LIMITATIONS/MONITORING**: Provide all limitations and monitoring requirements being placed on each outfall.

SEE TABLE II - ATTACHMENT 5

19. **EFFLUENT LIMITATIONS/MONITORING RATIONALE**: Attach any analyses of an outfall by individual toxic parameter. As a minimum, it will include: statistics summary (number of data values, quantification level, expected value, variance, covariance, 97th percentile, and statistical method); wasteload allocation (acute, chronic and human health); effluent limitations determination; input data listing. Include all calculations used for each outfall and set of effluent limits and those used in any model(s). Include all calculations/documentation of any antidegradation or anti-backsliding issues in the development of any limitations; complete the review statements below. Provide a rationale for limiting internal waste streams and indicator pollutants. Attach chlorine mass balance calculations, if performed. Attach any additional information used to develop the limitations, including any applicable water quality standards calculations (acute, chronic and human health).

OTHER CONSIDERATIONS IN LIMITATIONS DEVELOPMENT:

VARIANCES/ALTERNATE LIMITATIONS: Provide justification or refutation rationale for requested variances or alternatives to required permit conditions/limitations. This includes, but is not limited to: waivers from testing requirements; variances from technology guidelines or water quality standards; WER/translator study consideration; variances from standard permit limits/conditions. N/A

SUITABLE DATA: In what, if any, effluent data were considered in the establishment of effluent limitations and provide all appropriate information/calculations.

All suitable effluent data were reviewed.

ANTIDEGRADATION REVIEW: Provide all appropriate information/calculations for the antidegradation review.

The receiving stream maintains Tier 1 designation due to impairment for benthics; therefore, no further review is needed. Permit limits have been established by determining wasteload allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These wasteload allocations will provide for the protection and maintenance of all existing uses.

ANTIBACKSLIDING REVIEW: Indicate if antibacksliding applies to this permit and, if so, provide all appropriate information.

There are no backsliding issues to address in this permit (i.e., limits as stringent or more stringent when compared to the previous permit).
SEE ATTACHMENT 6

20. **SPECIAL CONDITIONS RATIONALE**: Provide a rationale for each of the permit's special conditions. **SEE ATTACHMENT 7**

21. **TOXICS MONITORING/TOXICS REDUCTION AND WET LIMIT SPECIAL CONDITIONS RATIONALE**: Provide the justification for any toxics monitoring program and/or toxics reduction program and WET limit.

SEE ATTACHMENT 8

22. **SLUDGE DISPOSAL PLAN**: Provide a description of the sludge disposal plan (e.g., type sludge, treatment provided and disposal method). Indicate if any of the plan elements are included within the permit.

All sludge disposal practices are permitted under VPA Permit No. VPA01076 issued on 03/12/13

23. **MATERIAL STORED**: List the type and quantity of wastes, fluids, or pollutants being stored at this facility. Briefly describe the storage facilities and list, if any, measures taken to prevent the stored material from reaching State waters.

SEE ATTACHMENT 9

24. **RECEIVING WATERS INFORMATION**: Refer to the State Water Control Board's Water Quality Standards [e.g., River Basin Section Tables (9 VAC 25-260-5 et seq.). **Use 9 VAC 25-260-140 C (introduction and numbered paragraph) to address tidal waters where fresh water standards would be applied or transitional waters where the most stringent of fresh or salt water standards would be applied.** Attach any memoranda or other information which helped to develop permit conditions (i.e. tier determinations, PReP complaints, special water quality studies, STORET data and other biological and/or chemical data, etc.

SEE ATTACHMENT 10

25. 305(b)/**303(d) Listed Segments**: Indicate if the facility discharges to a segment that is listed on the current 303(d) list and, if so, provide all appropriate information/calculations.

Outfalls 001, 005, 006 and 008 discharge to impaired stream Parker Creek, VAT-D03R_PAR01A00. Outfalls 003, 004 and 009 discharge to impaired stream Unnamed Tributary to Folly Creek, VAT-D03R_XDE01A02. Parker Creek is impaired for Recreation Use - E coli. Both streams are impaired for Aquatic Life Use-Benthics.

TMDL's in effect and approval dates:

1) Bacteria TMDL Development for Parker Creek Watershed, Virginia: Fecal Coliform & Enterococci: EPA approved 1/15/2008.
2) Benthic TMDL Development for Parker Creek, Virginia: TP: EPA approved 11/7/2008 and EPA approved modification 8/15/2011.
3) TMDL of DO for Folly Creek: TN: EPA approved 10/3/2012.
4) TMDL for Bacteria for Folly Creek: Fecal Coliform: EPA approved 1/15/2008.

Facility assigned WLA from the TMDL. Only use EOS Loads for Chesapeake Bay TMDL WLA's:

1) Fecal Coliform: 1.59E+10 cfu/100mL based on a 10 year ave flow rate of 2.1 MGD and permitted FC ave of 200 CFU/100mL.
2) TP: 0.10 mg/L. This is a concentration based endpoint determined by using reference conditions and is flow independent.
3) Facility not referenced in DO TMDL.
4) Facility not referenced in Fecal Coliform TMDL.

SEE ATTACHMENT 11

26. **CHANGES TO PERMIT**: Use **TABLE III(a)** to record any changes from the previous permit and the rationale for those changes. Use **TABLE III(b)** to record any changes made to the permit during the permit processing period and the rationale for those changes [i.e., use for comments from the applicant, VDH, EPA, other agencies and/or the public where comments resulted in changes to the permit limitations or any other changes associated with the special conditions or reporting requirements].

SEE ATTACHMENT 12

27. **NPDES INDUSTRIAL PERMITRATING WORKSHEET:**

TOTAL SCORE: 111 **SEE ATTACHMENT 13**

28. **DEQ PLANNING COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from DEQ planning.

29. **PUBLIC PARTICIPATION:** Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

VDH/DSS COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the Virginia Dept. of Health and the Div. of Shellfish Sanitation and noted how resolved.

By letter dated April 18, 2016 Dixon Tucker from the VDH provided the following **comments on the application:**

> "There are no public water supply raw water intakes located upstream or downstream from the discharge point/area".
>
> By Memo dated June 9, 2016 from DSS regarding "the permit action will not require a change in the classification of adjacent shellfish growing waters".

EPA COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

Please see Attachment 15

ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from an adjacent state and noted how resolved.

Not Applicable.

OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from any other agencies (e.g., VIMS, VMRC, DGIF, etc.) and noted how resolved.

By email dated April 18, 2016 from Hank Badger, (VMRC), "the outfall itself is outside of VMRC's jurisdictional, ...therefore VMRC will not comment further unless DSS indicates the shellfish growing areas will have to be condemned or reclassified as a result of the proposed discharge."

OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT: Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and comments received were adequately addressed.

PUBLIC NOTICE INFORMATION: Comment Period: Start Date:
End Date:

Persons may comment in writing or by e-mail to the DEQ on the proposed reissuance of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting Debra L. Thompson at: Department of Environmental Quality (DEQ), Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA 23462. Telephone: 757-518-2162 E-mail: debra.thompsondeq.virginia.gov

Following the comment period, the Board will make a determination regarding the proposed issuance/reissuance/modification. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. **ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:**

The ground water monitoring wells (4) installed in 2011 in the vicinity of lagoon #3 and monitored during 2011-2016 indicate leaching of contaminants from the lagoon. The company has not taken action to eliminate the source of the leaching (breach in synthetic liner observed 2011) and therefore a compliance schedule is included in this reissuance. The schedule requires submittal of approvable plans & specs for proper closure of the lagoon and implementation of the approved closure plan. The lagoon closure timeline is an essential component of the plan as site specific ground water data indicates upward trend of contamination by multiple parameters (concentration values consistently exceed ground water quality standards). Compliance schedule is in Part I.B. of the permit.

ATTACHMENT 1

SITE INSPECTION REPORT/MEMORANDUM

Virginia Department of Environmental Quality

RECON INSPECTION REPORT

FACILITY NAME: Perdue Farms LLC – Accomac, VA	**INSPECTION DATE:** July 22, 2015 **INSPECTOR:** Stephen J. Thomas
PERMIT No.: VA0003808	**REPORT DATE:** July 24, 2015
TYPE OF FACILITY: ☐ Municipal ☑ Major ☑ Industrial ☐ Minor ☐ Federal ☐ Small Minor ☐ HP ☐ LP	**TIME OF INSPECTION:** Arrival 0910 AM Departure 1130 PM **TOTAL TIME SPENT WITH REPORT AND TRAVEL:** 10. 5 Hours
PHOTOGRAPHS: ☑ Yes ☐ No	**UNANNOUNCED INSPECTION?** ☑ Yes ☐ No
REVIEWED BY / Date: Kenneth T. Raum / 08-13-15	
PRESENT DURING INSPECTION: Mr. Randy Rhodes – Environmental Manager	

TECHNICAL INSPECTION

1. Has there been any new construction? If so, were plans and specifications approved? Comments:. Construction of the effluent sand filtration system is nearing completion.	☑ Yes ☐ No
2. Is the Operations and Maintenance Manual approved and up-to-date? Comments: *** The O & M manual will need to be updated after the new effluent filters become operational. The #4 lagoon also needs to be included in the O & M manual.**	☑ Yes ☐ No
3. Are the Permit and/or Operation and Maintenance Manual specified licensed operator being met? Comments: One class 1 and one class 2 operator, and one operator in training.	☑ Yes ☐ No
4. Are the Permit and/or Operation and Maintenance Manual specified operator staffing requirements being met? Comments: Plant is staffed 24 Hours a day.	☑ Yes ☐ No
5. Is there an established and adequate program for training personnel? Comments:	☑ Yes ☐ No
6. Are preventive maintenance task schedules being met? Comments:	☑ Yes ☐ No
7. Does the plant experience any organic or hydraulic overloading? Comments:	☐ Yes ☑ No
8. Have there been any bypassing or overflows since the last inspection? Comments:	☐ Yes ☑ No
9. Is the standby generator (including power transfer switch) operational and exercised regularly? Comments:	☑ Yes ☐ No
10. Is the plant alarm system operational and tested regularly? Comments: Alarms on some operational units.	☑ Yes ☐ No

1-2

Perdue Farms Permit #	VA0003808

TECHNICAL INSPECTION

11. Is sludge disposed of in accordance with the approved sludge management plan? Comments: Sludge applied via permit VPA01076	☑ Yes ☐ No
12. Is septage received? • If so, is septage loading controlled, and are appropriate records maintained? Comments:	☐ Yes ☑ No
13. Are all plant records (operational logs, equipment maintenance, industrial waste contributors, sampling and testing) available for review and are records adequate? Comments:	☑ Yes ☐ No

14. Which of the following records does the plant maintain?

☑ Operational logs ☑ Instrument maintenance & calibration

☑ Mechanical equipment maintenance ☐ Industrial Waste Contribution (Municipal facilities)

Comments:

15. What does the operational log contain?

☑ Visual observations ☐ Flow Measurement ☐ Laboratory results ☑ Process adjustments

☐ Control calculations ☐ Other (specify)

Comments:

16. What do the mechanical equipment records contain?

☑ As built plans and specs ☑ Manufacturers instructions ☑ Lubrication schedules

☑ Spare parts inventory ☐ Equipment/parts suppliers

☐ Other (specify)

Comments:

17. What do the industrial waste contribution records contain (Municipal only)?

☐ Waste characteristics ☐ Impact on plant ☐ Locations and discharge types

☐ Other (specify)

Comments:

18. Which of the following records are kept at the plant and available to personnel?

☑ Equipment maintenance records ☑ Operational log ☐ Industrial contributor records

☑ Instrumentation records ☑ Sampling and testing records

Comments:

19. List records not normally available to plant personnel and their location:

Comments: N/A

20. Are the records maintained for the required time period (three or five years)? Comments:	☑ Yes ☐ No

Perdue Farms Permit #	VA0003808

UNIT PROCESS EVALUATION SUMMARY SHEET

UNIT PROCESS	APPLICABLE	PROBLEMS*	COMMENTS
Sewage Pumping	✖		
Flow Measurement (Influent)			
Screening/Comminution			
Grit Removal			
Oil/Water Separator			
Flow Equalization			
Ponds/Lagoons	✖		*Stormwater pond and recycle pond.*
Imhoff Tank			
Primary Sedimentation	✖		*The old #3 lagoon is not in operation. Lagoon being slowly pumped down.*
Trickling Filter			
Septic Tank and Sand Filter			
Rotating Biological Contactor			
Activated Sludge Aeration	✖		*Operation appeared normal.*
Biological Nutrient Removal	✖		
Sequencing Batch Reactor			
Secondary Sedimentation	✖		
Flocculation			
Tertiary Sedimentation			
Filtration			
Micro-Screening			
Activated Carbon Adsorption			
Chlorination			
Dechlorination			
Ozonation			
Ultraviolet Disinfection	✖		*3*
Post Aeration	✖		*Continuous operation*
Flow Measurement (Effluent)	✖		
Land Application (Effluent)			
Plant Outfall	✖		
Sludge Pumping			
Flotation Thickening (DAF)	✖		*One unit tin service*
Gravity Thickening			
Aerobic Digestion			
Anaerobic Digestion	✖		
Lime Stabilization			
Centrifugation			
Sludge Press	✖		*In operation during the inspection.*
Vacuum Filtration			
Drying Beds			
Thermal Treatment			
Sludge holding lagoon	✖		
Composting			
Land Application (Sludge)	✖		*Springtime operation.*
Sludge Holding (cake)	✖		*Uncovered bunker and covered shed.*

* Problem Codes

1. Unit Needs Attention
2. Abnormal Influent/Effluent
3. Evidence of Equipment Failure
4. Unapproved Modification or Temporary Repair
5. Evidence of Process Upset
6. Other (explain in comments)

UNIT PROCESS:	ANAEROBIC INFLUENT LAGOON

										YES	NO	NA
1.	Type	Aerated		Unaerated	✖	Polishing						
2.	Number of cells	2										
3.	Number cells in operation	1										
	Operation of system											
4.	Series		Parallel	✖	Other:							
	Color					Light Brown						
5.	Gray	✖	Brown		Green		Other:					
	EVIDENCE OF THE FOLLOWING PROBLEMS:											
	Vegetation in lagoon or dikes?									✖		
	Rodents burrowing on dikes?										✖	
	Erosion?										✖	
	Sludge bars?										✖	
	Excessive foam?										✖	
6.	Floating material?									✖		
7.	If aerated, are lagoon contents mixed adequately?											✖
8.	If aerated, is aeration system operating properly?											✖
9.	Odors:	Septic	✖	Earthy		None		Other:				
10.	Fencing intact?									✖		
11.	Grass maintained properly?									✖		
12.	Level control valves working properly?									✖		
13.	Effluent discharge elevation?	Top		Middle	✖	Bottom						
14.	Freeboard											
15.	Appearance of effluent?	GOOD		FAIR		POOR						✖
	Are monitoring wells present?									✖		
	Are wells adequately protected from runoff?									✖		
16.	Are caps on and secured?									✖		

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**All influent flow is going to the new #4 lagoon. The old #3 lagoon with the damaged liner is scheduled to be pumped down with flow going to the #4 lagoon.**

1-5

UNIT PROCESS:	ACTIVATED SLUDGE BNR TANKS

			YES	NO	NA
1.	Number of aeration units	4			
2.	Number units in operation	4			
3.	Mode of operation:	Aerobic /Anoxic operation			
4.	Proper flow distribution between units		✖		
5.	Foam control operational		✖		
6.	Scum control present		✖		
7.	Dead spots			✖	
8.	Excessive foam			✖	
9.	Poor aeration			✖	
10.	Excessive scum			✖	
11.	Aeration equipment malfunction			✖	
12.	Other problem(s):				✖
13.	Effluent control devices working properly (OXIDATION DITCHES)				✖

14. *MIXED LIQUOR CHARACTERISTICS AS AVAILABLE:*

pH (s.u.)	**7.5**	MLSS (mg/l)	**8000 (Ave.)**	DO (mg/l)	**0.2 tank 1 1.5 tank 2**	SVI	
Odor	**None**	Settleability (ml/l)		**80 % average (30 Min)**		SDI	
Color	**Light Tan**						

15. *RETURN/WASTE SLUDGE RATES:*

Return Rate		Waste Rate	**150 GPM**	Waste Frequency	**Continuous**

16. *AERATION SYSTEM CONTROL:*

Time Clock		Manual Feed		Continuous Feed	✖

Other:

GENERAL CONDITION:	GOOD	✖	FAIR		POOR	

COMMENTS:	

1-6

UNIT PROCESS:	RECYCLE POND

										YES	NO	NA
1.	Type	Aerated		Unaerated	✖	Polishing						
2.	Number of cells	1										
3.	Number cells in operation	1										
	Operation of system											
4.	Series		Parallel		Other:							✖
	Color				Light Brown							
5.	Gray		Brown		Green		Other:	clear				
	EVIDENCE OF THE FOLLOWING PROBLEMS:											
	Vegetation in lagoon or dikes?											
	Rodents burrowing on dikes?										✖	
	Erosion?										✖	
	Sludge bars?										✖	
	Excessive foam?										✖	
6.	Floating material?										✖	
7.	If aerated, are lagoon contents mixed adequately?										✖	
8.	If aerated, is aeration system operating properly?											✖
9.	Odors:	Septic		Earthy		None	✖	Other:				
10.	Fencing intact?									✖		
11.	Grass maintained properly?									✖		
12.	Level control valves working properly?									✖		
13.	Effluent discharge elevation?	Top		Middle		Bottom						✖
14.	Freeboard	**< 10 feet**										
15.	Appearance of effluent?	GOOD		FAIR		POOR						
	Are monitoring wells present?										✖	
	Are wells adequately protected from runoff?											✖
16.	Are caps on and secured?											✖

GENERAL CONDITION:	GOOD	✖	FAIR		POOR	

COMMENTS:	**Effluent is stored in this pond for reuse in the rendering plant. The plant will also send all wastewater to this pond if there is an upset that could affect the discharge.**

1-7

UNIT PROCESS:	SEDIMENTATION

	PRIMARY		SECONDARY	✖	TERTIARY		YES	NO	NA
1.	Number of units				1				
2.	Number units in operation				1				
3.	Proper flow distribution between units								✖
4.	Sludge collection system working properly?						✖		
5.	Signs of short circuiting and/or overloads						✖		
6.	Effluent weirs level						✖		
7.	Effluent weirs clean						✖		
8.	Scum collection system working properly						✖		
9.	Influent/effluent baffle system working properly						✖		
10.	Chemical Used					Chemical Addition	✖		
11.	Effluent characteristics				Fairly Clear				
GENERAL CONDITION:		GOOD			FAIR	✖	POOR		

UNIT PROCESS:	WASTE STORMWATER POND

									YES	NO	NA
1.	Type	Aerated		Unaerated	✖	Polishing					
2.	Number of cells		1	Color: Grey- green.							
	EVIDENCE OF THE FOLLOWING PROBLEMS:										
	Vegetation in lagoon or dikes?								✖		
	Rodents burrowing on dikes?									✖	
	Erosion?									✖	
	Sludge bars?									✖	
6.	Floating material?								✖		
9.	Odors:	Septic	✖	Earthy		None		Other:			
11.	Grass maintained properly?								✖		
12.	Level control valves working properly?								✖		
14.	Freeboard		➢ 2 feet								

COMMENTS:	**This waste stormwater pond receives stormwater runoff, washdown water from the live haul receiving area, rendering plant area, truck washdown parking area, boiler building containment area and rendering truck parking. All water in the pond is pumped back into the #4 lagoon for treatment.**

UNIT PROCESS:	FLOTATION THICKENING (DAF)

		YES	NO	NA
1.	Number of units: 2			
2.	Number units in operation: 1			
	SLUDGE PUMPING?			
3.	Manual: ; Automatic: ✖ ; Other:			
	FLOATATION AID SYSTEM PROVIDED?	✖		
4.	Type of aid: **Polymer** ; Dosage:			
5.	Skimmer blade sludge removal system properly operating?	✖		
6.	Sludge collection system working properly?	✖		
	Is the unit used to thicken sludge other than waste activated sludge?		✖	
7.	Other sludge type:			✖
8.	Signs of overloading?		✖	
	PROCESS CONTROL TESTING			
	Feed solids testing: %		✖	
	Thickened sludge solids testing: %		✖	
	Underflow testing: mg/L		✖	
9.	Other:			
10.	Percent capture of solids: %			✖
11.	Effluent baffle system working properly?	✖		

GENERAL CONDITION:	GOOD		FAIR to POOR	✖	POOR	

COMMENTS:	**One unit is still not operational. Mr. Rhodes said they plan to install one new unit and make repairs to the other. He said the building that houses the units will need to be partially taken down to accommodate the installation of a new unit. The units have suffered degradation due to the environment they are in.**

UNIT PROCESS:	ULTRAVIOLET (UV) DISINFECTION

				YES	NO	NA
1.	Number of uv lamps/assemblies	72				
2.	Number units in operation	61				
3.	Type of uv system and design dosage	Trojan UV 3000				
4.	Method of uv intensity monitoring	Bacteria Counts				
5.	Proper flow distribution between units?					✖
6.	Adequate ventilation of ballast control boxes			✖		
7.	Indication of on/off status of all lamps provided			✖		
8.	Lamp assemblies easily removed for maintenance			✖		
9.	Records of lamp operating hours and replacement dates provided			✖		
10.	Routine cleaning system provided			✖		
	System operating properly			✖		
	Frequency of routine cleaning	Sleeves are cleaned automatically every 12 hours				
11.	Lamp energy control system operating properly				✖*	
12.	Date of last system overhaul					
	UV unit completely drained					✖
	All surfaces cleaned			✖		
	UV transmissibility checked			✖		
	Output of selected lamps checked				✖	
	Output of tested lamps					✖
	Total operating hours of oldest lamp/assembly	**UV Bulbs are replaced approximately every 8 months.**				
	Number of spare lamps/ballasts available	**40**	**0**			
13.	UV protective eyeglasses provided			✖		

GENERAL CONDITION:	GOOD		FAIR	✖*	POOR	

COMMENTS:	**11. * Although the system was in operating order during the inspection there were 11 tubes not in operation. During the inspection on 3/12/14 there were 12 tubes not in operation. The maintenance operator said a control panel for that bank of lights is apparently bad. He said a representative with Trojan technologies is scheduled to visit the facility to determine what the problem is with the control board.**

1-10

UNIT PROCESS:	EFFLUENT FLOW MEASUREMENT

INFLUENT		INTERMEDIATE		EFFLUENT	✖

			YES	NO	NA
1.	Type of measuring device	**Ultrasonic**			
2.	Present reading?	**2.2 MGD**			
3.	Bypass channel			✖	
4.	Bypass channel metered?				✖
	Return flow discharged upstream of the meter?			✖	
5.	Identify:				
6.	Device operating properly?		✖		
7.	Date of last calibration?	**4/15/2015**			

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**Unit appeared to be operating satisfactorily.**

#4 lagoon

Influent end of #4 lagoon.

Caustic feed at the influent basin to #4 lagoon. This area needs attention; there are apparent leaks/spills from hose feed to basin, and erosion.

Stormwater Pond

Aeration basin

Weir at sedimentation basin. Sludge blanket visible about 7 feet from surface.

DAF unit April 2013

DAF Unit July 2015 – note color change.

New effluent filters under construction.

Post aeration.

Outfall 001

Receiving stream about 100 yards downstream from the outfall.

1-13

Perdue Farms Permit #	VA0003808

INSPECTION OVERVIEW

I arrived at Perdue facility and met with Mr. Randy Rhodes the Environmental Manager of the Perdue Accomac plant. I informed him I was there for a plant inspection and explained that a lab audit would not be performed on this date. We then proceeded to perform the recon inspection by walking the plant site and discussing operating conditions as we walked along. There is no influent flow to #3 lagoon; all influent flow is now routed to #4 lagoon. Caustic, in the form of sodium hydroxide, is being fed into the influent end of this lagoon to raise the pH from 5.4-6.2 to a 9.0 pH range at the head of the lagoon to help balance the volatile acid ratio. Mr. Rhodes said they are still having trouble maintaining the correct ratio of volatile acids in the lagoon since lagoon startup. The influent wastewater entering the plant has also changed somewhat due to changes in the operations of the processing plant. Lime has been added to the effluent from the primary influent lagoon for many years at this plant to maintain high alkalinity levels for ammonia reduction. Lime is not now being used since the alkalinity is in the desired range. In turn the facility has also stopped feeding glycerin as an additional food source to achieve nitrification due to the increased food/carbon resource in the wastewater; some of the increase is due to additional fat in the wastewater.

One observation I noted during the inspection was that the color of the waste sludge, both dewatered and liquid, has notably turned from a dark gray/brown color to a light colored gray. The color of the mixed liquor in the aeration tanks has also changed to a lighter tan colored mixture. Note: Valley Protein is now operating the rendering plant.

The construction of new final effluent filters is nearing completion. The filters are designed to further reduce phosphorus in the final effluent. The facility must achieve phosphorus reduction to an average discharge of 0.1 mg/l by September 1, 2015. Mr. Rhodes said he anticipated the filters coming on line during the first week of August, 2015.

I would like to thank Mr. Randy Rhodes and the staff at the Perdue Accomac Wastewater plant for their cooperation during this inspection.

REQUEST for CORRECTIVE ACTION:

1. In light of several observations I made during this inspection, I request that information be supplied to DEQ explaining any changes to the processing plant operations that may have affected operating conditions at the wastewater plant. Please include any water use changes, new product lines, or new materials or chemicals used in the processing plant. If changes have occurred, do you anticipate long term changes to the operation of the treatment plant or changes in effluent composition?
   Have any practices changed in regards to how Valley Foods operates the rendering plant and, have the characteristics of the waste flow they send to the treatment plant changed?

2. The sodium hydroxide feed system at the head of the # 4 lagoon needs to be reworked to prevent any further spills or leaks. The feed system is by hose at the present time. A rigid permanent conduit feed system needs to be put in place if the practice of feeding caustic at this location will continue. Please provide documentation on your plans with an anticipated completion date for this project.

3. UV system maintenance: The electrical circuit board, or panel that controls the power to some of the UV bulbs, needs to be repaired or replaced in order to include all UV bulbs in the disinfection process.. Please provide a date to complete the necessary repairs. Finally, this unit is aging and Perdue should consider budgeting for a replacement unit in the upcoming years.

1-14

Perdue Farms Permit #	VA0003808

EFFLUENT FIELD DATA:

Flow 2.2 MGD	Dissolved Oxygen 8.05 mg/L	TRC (Contact Tank) N/A mg/L
pH 8.3 S.U.	Temperature 29.4 °C	TRC (Final Effluent) N/A mg/L
Was a Sampling Inspection conducted? ☐ Yes (see Sampling Inspection Report) ☑ No		

CONDITION OF OUTFALL AND EFFLUENT CHARACTERISTICS:

1. Type of outfall: ☑ Shore based ☐ Submerged Diffuser? ☐ Yes ☑ No
2. Are the outfall and supporting structures in good condition? ☑ Yes ☐ No
3. Final Effluent (evidence of following problems): ☐ Sludge bar ☐ Grease
   ☐ Turbid effluent ☐ Visible foam ☐ Unusual color ☐ Oil sheen
4. Is there a visible effluent plume in the receiving stream? ☐ Yes ☑ No
5. Receiving stream: ☑ No observed problems ☐ Indication of problems (explain below)

Comments: **The final effluent being discharged at the time of the inspection was clear and contained no visible solids. No foam was present at the outfall area.**

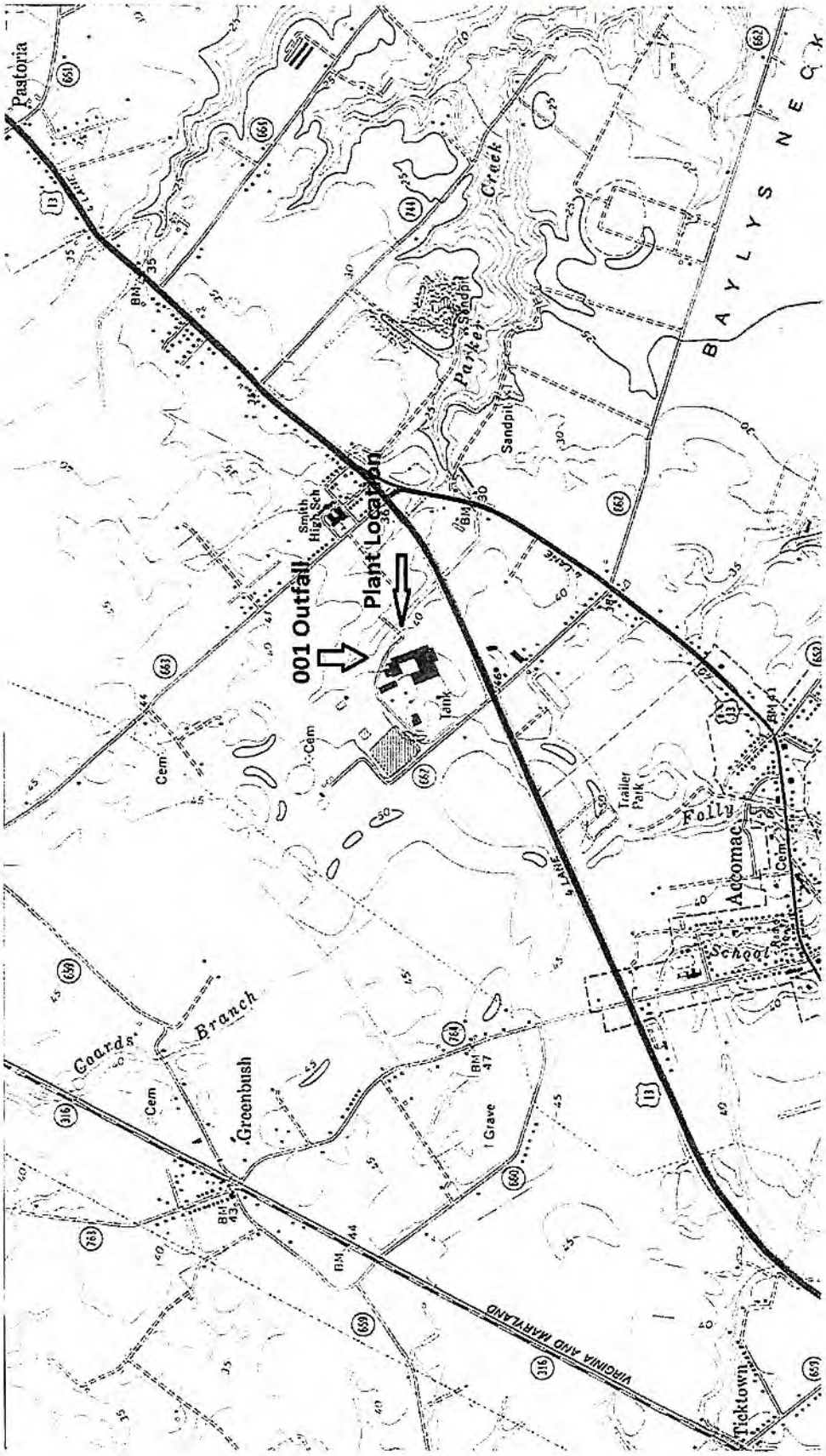
ATTACHMENT 2

DISCHARGE LOCATION/TOPOGRAPHIC MAP

2-1

Perdue Foods, LLC
VA0003808

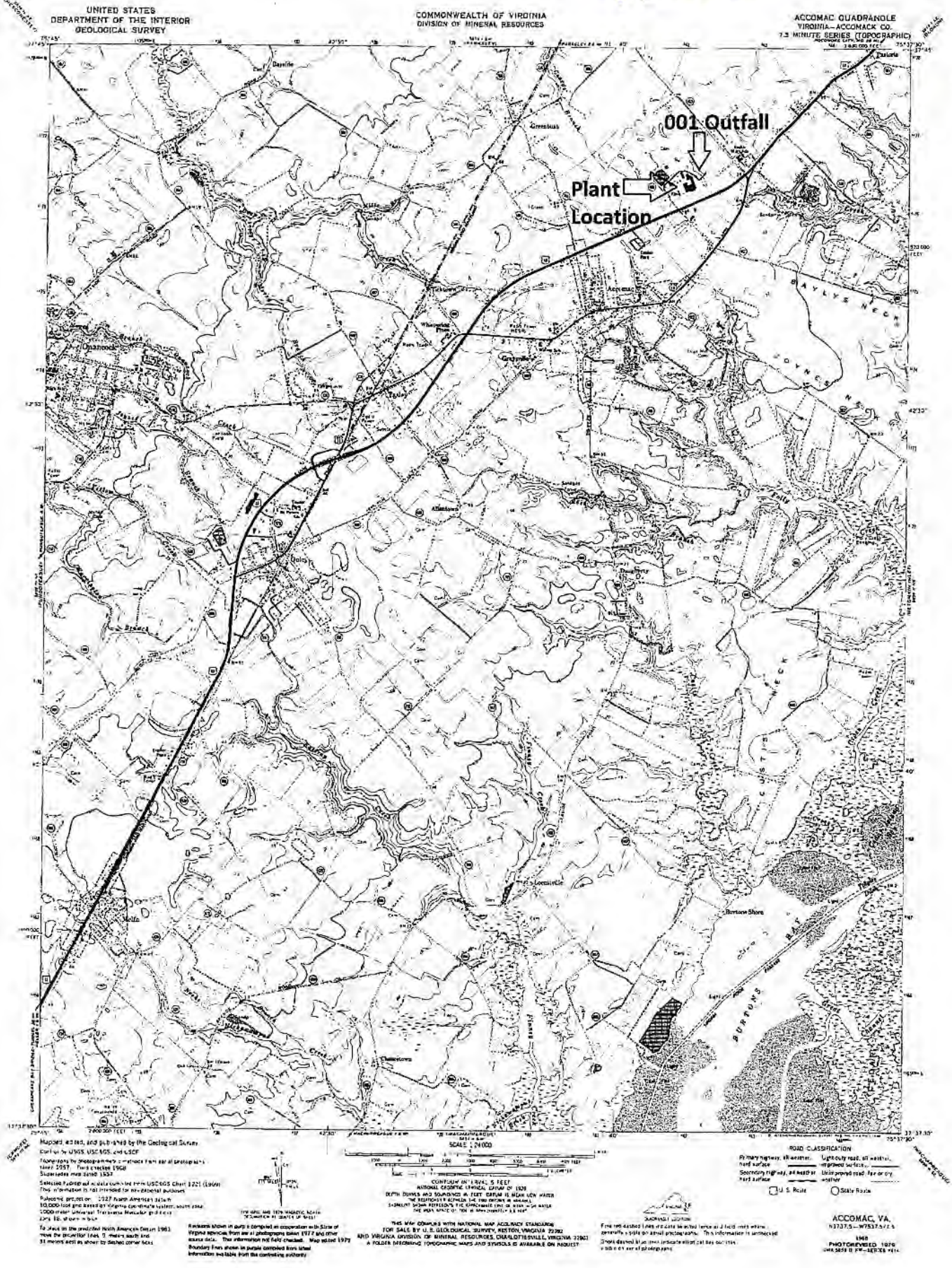
5/6/16



2-2

Perdue Foods, LLC
VA0003808

5/6/16

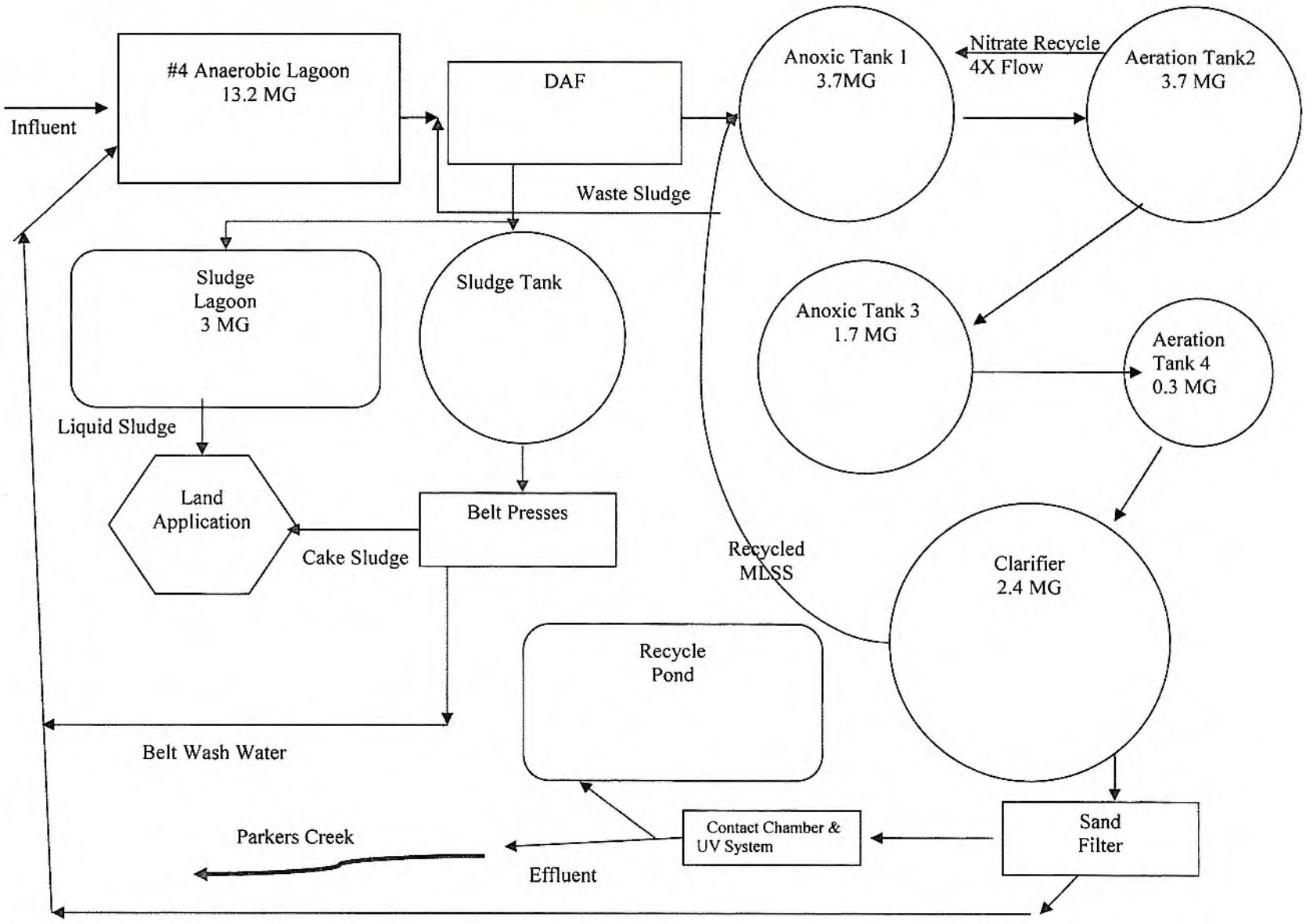


ATTACHMENT 3

SCHEMATIC/PLANS & SPECS/SITE MAP/ WATER BALANCE

Perdue Foods LLC.
Accomac Complex Wastewater Treatment

VA0003808



3-1

5/6/16

ATTACHMENT 4

TABLE I - DISCHARGE/OUTFALL DESCRIPTION

TABLE I

NUMBER AND DESCRIPTION OF OUTFALLS

OUTFALL NO.	DISCHARGE LOCATION	DISCHARGE SOURCE (1)	TREATMENT (2)	FLOW (3)
001	37 44 15.6 75 39 28.0 Parker Creek	Poultry processing, rendering, sanitary waste, truck wash, SW runoff, GW recovery	Screening, offal DAF, anaerobic treatment & flow equalization, activated sludge, nitrification-denitrification, flocculation-sedimentation, UV disinfection, CL disinfection & dechlorination	**
002	Deleted 09/28/11		**Outfall permanently sealed with cement in 2011**	
003	37 44 55.0 75 39 25.9 Parker Creek	Storm water runoff	None	Dependant upon rainfall
004	37 43 55 75 39 23.7 Parker Creek	Storm water runoff	None	Dependant upon rainfall
005	37 44 3.9 75 39 11.1 Parker Creek	Storm water runoff	None	Dependant upon rainfall
006	34 44 6.5 75 33 57.8 Parker Creek	Storm water runoff	None	Dependant upon rainfall
007	Deleted 09/28/2011		**Outfall permanently sealed with cement on 06/08/2011**	
008	37 44 15.6 75 39 22.3 Parker Creek	Storm water runoff	None	Dependant upon rainfall
009	37 44 7.2 75 39 52.9 Folly Creek	Storm water runoff	None	Dependant upon rainfall

**Flows:

Processing plant		2.264 MGD
Rendering plant		1.371 MGD
Maintenance garage, Truck wash, wastewater	0.030 MGD	
Storm water from Strom water Lagoon	0.127 MGD	
Storm water from Sludge Bunker	0.002 MGD	
Sludge Processing (DAF Belt presses)	0.133 MGD	
Surface water flow from outfall 001		2.45 MGD
Effluent Reuse		0.693
Total average 7 day flow		3.14 MGD

(1) List operations contributing to flow
(2) Give brief description, unit by unit
(3) Give maximum 30-day average flow for industry

ATTACHMENT 4
TABLE I
NUMBER AND DESCRIPTION OF OUTFALLS

Outfall 001: The discharge is a comingled flow of process waste and storm water runoff. The storm water point sources are primarily from the processing plant area. The majority of storm water runoff includes the recycling center storage, cooling shed, rendering plant, food plant drum storage, mechanical storage building, transport truck washing area, entire processing building area and, parking lot runoff from the rendering tractor trailer parking. These flows are conveyed to Parker Creek.

Outfall 002: CLOSED. This outfall no longer has a discharge potential to Parker Creek; the pipe was permanently sealed with concrete in 2011.

Outfall 003: This discharge is comprised of storm water runoff from impervious surface area from the Southeast end of the employee parking lot. Formerly this area handled traffic from debone tractor trailer trucks, but now is only used from employee parking and visitor parking. These flows drain to Route 13 and into Parker Creek.

Outfall 004: This discharge is comprised of storm water runoff from the Southeast end of the employee parking area and some of the processing building roof drains. Tractor trailer trucks from the deboned meat area pass through this area. These flows drain to Route 13 and into Parker Creek.

Outfall 005: Flows from this outfall are comprised of storm water runoff from agricultural fields and the complex Wellness Center and Wellness Center parking lot. These flows drain to Route 13 and into Parker Creek.

Outfall 006: Flows from this outfall are comprised of storm water runoff from agricultural fields. These flows drain to Route 13 and into Parker Creek.

Outfall 007: CLOSED. This overflow outfall from the storm water pond no longer discharges; permanently sealed with cement in June 2011.

Outfall 008: Flows from this area consist of storm water runoff from the abandoned sludge drying bed area and surrounding woods; ultimate discharge is to Parker Creek.

Outfall 009: This outfall discharges storm water runoff from agricultural fields, with ultimate discharge to unnamed tributary to Folly Creek.

ATTACHMENT 5

TABLE II - EFFLUENT MONITORING/LIMITATIONS

TABLE II - INDUSTRIAL EFFLUENT LIMITATIONS/MONITORING

OUTFALL # 001
Outfall Description: process water, sanitary waste and storm water
SIC CODE: 2015

(X) Final Limits ( ) Interim Limits Effective Dates - From: **effective** To: **expiration**

PARAMETER & UNITS	BASIS FOR LIMITS	MULTIPLIER OR PRODUCTION	EFFLUENT LIMITATIONS [e] MONTHLY AVERAGE	MINIMUM	MAXIMUM	MONITORING REQUIREMENTS FREQUENCY	SAMPLE TYPE
Flow (MGD)		Long Term Avg Flow = 2.17 MGD	NL	NA	NL	Continuous	Totalizing, Indicating and Recording
pH (S.U.)			NA	6.0	9.0	1/day	Grab
BOD5 (mg/l) (summer) [a]	1	LWK = 461,451,000 lbs Long Term Avg Flow = 2.17 MGD	15	NA	26	3-D/Week	24-HR Comp
BOD5 (lbs/d) (summer) [a]	3		272	NA	471	3-D/Week	24-HR Comp
BOD5 (mg/l) (winter) [b]	1	LWK = 461,451,000 lbs Long Term Avg Flow = 2.17 MGD	16	NA	26	3-D/Week	24-HR Comp
BOD5 (lbs/d) (winter) [b]	3		290	NA	471	3-D/Week	24-HR Comp
TSS (mg/l)		LWK = 461,451,000 lbs Long Term Avg Flow = 2.17 MGD	20	NA	30	3-D/Week	24-HR Comp
TSS (lbs/d)			362	NA	543	3-D/Week	24-HR Comp
Oil & Grease (mg/l)		LWK = 461,451,000 lbs Long Term Avg Flow = 2.17 MGD	8	NA	14	1/month	Grab
Oil & Grease (mg/l)			145	NA	254	1/month	Grab
Dissolved Oxygen (mg/l)	2		NA	6.5	NA	1/Day	Grab
Ammonia-Nitrogen (NH_3-N) (mg/l) [a]	2		0.9	NA	2.9	3-D/Week	24-HR Comp

Ammonia-Nitrogen (NH_3-N) (lbs/d) [a]	3	Long Term max Flow = 2.82 MGD	21	NA	68	3-D/Week	24-HR Comp
Ammonia-Nitrogen (NH_3-N) (mg/l) [b]	2		1.2	NA	3.9	3-D/Week	24-HR Comp
Ammonia-Nitrogen (NH_3-N) (lbs/d [b]	3	Long Term max Flow = 2.82 MGD	28	NA	92	3-D/Week	24-HR Comp
Total Phosphorus (mg/l)	TMDL		0.10	NA	NL	3-D/Week	24-HR Comp
Total Nitrogen (mg/l)	1		103	NA	147	2/Month	24-HR Comp
Total Nitrogen (lbs/d)	3	Long Term Avg Flow = 2.17 MGD	1865	NA	2662	2/Month	24-HR Comp
Cyanide (ug/l)	2		7.6	NA	7.6	1/Year	24-HR Comp
Cyanide (lbs/d)	2	Long Term Max Flow = 2.82 MGD	0.18	NA	0.18	1/Year	24-HR Comp
Total Residual Chlorine (mg/l) [c]	2		0.011	NA	0.016	1/Day	Grab
Whole Effluent Toxicity (WET) (TUc) [d]	2		NA	NA	1.724	1/3Months	24-HR Comp
Fecal Coliform (N/CML) [e]	1		200	NA	400	3-D/Week	Grab
E-Coli(N/100ml) [e]	TMDL/2		126	NA	NL	3-D/Week	Grab

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31).

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

[a] BOD5 and Ammonia limitations are effective for the summer months of May 1 through October 31.

[b] BOD5 and Ammonia limitations are effective for the winter months of November 1 through April 30

[c] Total Residual Chlorine shall be monitored and reported, as required, at any time chlorine is used for disinfection (ie. when the ultraviolet radiation(UV) disinfection system is non-operational, undergoing maintenance or otherwise malfunctioning).

[d] See Part I.D. for WET limitations and monitoring requirements.

[e] Calculated as a Geometric Mean.

The basis for the limitations codes are:

1. Technology (e.g., Federal Effluent Guidelines-Poultry First Processing Subpart K, Eastern Shore WQMP)
2. Water Quality Standards (9 VAC 25-260 et. seq.)
3. Professional Judgment

Long Term Average Flow = 2.17 MGD [based on actual data for 2013-2016 as reported on the DMR's]
Long Term Maximum Flow = 2.82 MGD [based on actual data for 2013-2016 as reported on the DMRs]

Live Weight Kill = 461,451,000 lbs

TABLE II - STORM WATER EFFLUENT LIMITATIONS/MONITORING

OUTFALL # 003 and 004
Outfall Description: storm water runoff from parking lots, truck storage areas
SIC CODE: 2015

NOTE: These outfalls represent storm event monitoring for existing process and/or non-process outfalls.

PARAMETER & UNITS	STORM REGS. 1-29* or BPJ	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS [a]	
		MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Flow (MG)	BPJ	NA	NL	1/Year	Estimate [b]
pH (S.U.)	BPJ	NL	NL	1/Year	Grab
BOD5 (mg/l) [c]	20	NA	NL	1/Year	Grab
TSS (mg/l) [c]	20	NA	NL	1/Year	Grab
Fecal Coliform (N/CML)	BPJ	NA	NL	1/Year	Grab
Total Kjeldahl Nitrogen (TKN) (mg/l) [c]	20	NA	NL	1/Year	Grab
Total Phosphorus (mg/l) [c]	BPJ	NA	NL	1/Year	Grab
Oil & Grease (mg/l) [c]	20	NA	NL	1/Year	Grab

1/Year = Between January 1 and December 31.

[a] See Part I.D. for additional storm water sampling and reporting requirements.
[b] Estimate of the total volume of the discharge during the storm event.
[c] See Parts I.D.1 for benchmark concentration values.

The basis for the limitation is:
A. Technology (e.g., Federal Effluent Guidelines)
B. Water Quality Standards (9 VAC 25-260 et. seq.)
C. Best Professional Judgment

4-5

TABLE II – INDUSTRIAL EFFLUENT LIMITATIONS/MONITORING

OUTFALLs # 005, 006, 008, 009

Outfall Description: storm water runoff from wooded areas and agricultural fields

SIC CODE: 2015

THESE OUTFALLS SHALL CONTAIN ONLY STORM WATER RUNOFF NOT ASSOCIATED WITH A REGULATED INDUSTRIAL ACTIVITY WHERE NO MONITORING IS REQUIRED. THERE SHALL BE NO DISCHARGE OF PROCESS WASTEWATER FROM THESE OUTFALLS.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

TABLE II - GROUND WATER LIMITATIONS/MONITORING

Ground Water Well(s) # 1, 2, 3, and upgradient #4
Site Description: Ground water wells are located in the vicinity of the anaerobic lagoon.
SIC CODE: 2015

(X) Final Limits ( ) Interim Limits Effective Dates - From: Effective To: Expiration

PARAMETER & UNITS	GROUND WATER MONITORING		MONITORING REQUIREMENTS	
	LIMITATIONS	UNITS	FREQUENCY	SAMPLE TYPE
Static Water Level	NL	0.1 FT.	1/3 Months	Measured
Total Dissolved Solids	NL	mg/l	1/3 Months	Grab
Total Organic Carbon (TOC)	NL	mg/l	1/3 Months	Grab
Specific Conductivity	NL	umhos/cm	1/3 Months	Grab
Ammonia Nitrogen (NH3)	NL	mg/l	1/3 Months	Grab
pH	NL	S.U.	1/3 Months	Grab
Nitrate Nitrogen (NO3)	NL	mg/l	1/3 Months	Grab
Total Kjeldahl Nitrogen (TKN)	NL	mg/l	1/3 Months	Grab
Total Phosphorus	NL	mg/l	1/3 Months	Grab
Chlorides	NL	mg/l	1/3 Months	Grab

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY
1/3 Months = In accordance with the following schedule:
1st quarter (January 1-March 31); 2nd quarter (April 1-June 30); 3rd quarter (July 1-September 30); 4th quarter (October 1-December 31).

Grab samples - An individual sample should be taken after three (3) well volumes of groundwater are removed (allowing the well to recharge between each well volume removed) or until well purging parameters (i.e. pH, temperature, and specific conductance) stabilize to ± 10%. The bailer or hose used should not contaminate samples.

The basis for the monitoring/limitations are noted in the special conditions rationale section (Attachment 6) of this fact sheet.

5-6

ATTACHMENT 6

EFFLUENT LIMITATIONS/MONITORING RATIONALE/SUITABLE DATA/ ANTIDEGRADATION/ANTIBACKSLIDING

Perdue Farms Incorporated

VPDES Permit No. VA0003808

Effluent Limitations and Monitoring Rationale

The permit will address 7 point source outfalls; outfalls 002 and 007 no longer have the potential to discharge to state waters and were deleted from the permit in 2011. These two former discharge pipes were permanently sealed.

Ground water monitoring and report submittals included in this permit are based upon an observation during our January 19, 2011 site inspection (liner compromised) and specific ground water monitoring well data collected during 2011-2016 time period. Specific detail and plan approval information is in this factsheet.

Outfall 001

The sources of pollutants addressed in this outfall consist of processing plant and rendering plant wastewater, parking lot storm water runoff. The effluent limitations and monitoring requirements are based on several pieces of information: VA Water Quality Standards, Federal Effluent Guidelines for Meat Poultry Products (40 CFR 432.110-112) Subpart K "poultry First Processor", the Eastern Shore Water Quality Management Plan, TMDL for Parker Creek and Professional Judgment (BJ). Seasonal limits for Ammonia and BOD were incorporated into this permit in the late 1970's and have been updated, but remain valid requirements. Plant performance has been reviewed in the development of the permit. The effluent discharge limitations in this permit are protective of water quality.

The long term average flow based on DMR data used to calculate load limits in this reissuance is 2.17 MGD (84.69 MGD/39 = 2.17 MGD). The long term maximum used to calculate load limits for ammonia-nitrogen & cyanide is 2.82 MGD (110.11/39 = 2.82 MGD).

Flow: No limit, however continuous monitoring by totalizing, indicating and recording equipment is required. Reporting shall be 1/Month in accordance with VPDES Permit Manual and Professional Judgment (PJ).

pH: 6.0 S.U. min-9.0 S.U. max, 1/Day by a grab sample. In accordance with VPDES Permit Manual and PJ for the protection of water quality standards and criteria and determination of compliance with the permit.

BOD(summer): 15 mg/l avg-26 mg/l max, 3-D/Week by a 24-HR Comp. Average concentration based on ESWQMP and WQ Model from the late 1970's and PJ. Maximum concentration is based on Federal Effluent Guidelines for Meat & Poultry Products, Subpart K, Poultry First Processor, 40 CFR 432.112 (BPT)

BOD(summer): 272 lbs/d avg-471 lbs/d max, 3-D/Week by a 24-HR Comp. Mass loadings based on avg. and max concentrations and long term average flow of 2.17 MGD. PJ for the protection of water quality standards and criteria and determination of compliance with the permit.

(15 mg/l)x(2.17 mgd)x(8.345 lb/gal)= **272 lbs/d monthly avg.**
(26 mg/l)x(2.17 mgd)x(8.345 ld/gal)= **471 lbs/d daily maximum**

BOD(winter): 16 mg/l avg-26 mg/l max, 3-D/Week by a 24-HR Comp. Average and Maximum concentrations are based on Federal Effluent Guidelines for Meat & Poultry Products, Subpart K, Poultry First Processor, 40 CFR 432.112 (BPT)

BOD(winter): 290 lbs/d avg-471 lbs/d max, 3-D/Week by a 24-HR Comp. Mass loadings based on avg. and max concentrations and long term average flow of 2.17 MGD. PJ for the protection of water quality standards and criteria and determination of compliance with the permit.

(16 mg/l)x(2.17 mgd)x(8.345 lb/gal)= **290 lbs/d monthly avg.**
(26 mg/l)x(2.17 mgd)x(8.345 ld/gal)= **471 lbs/d daily maximum**

TSS: 20 mg/l avg-30 mg/l max, 3-D/Week by a 24-HR Comp. Average and maximum concentrations based on Federal Effluent Guidelines for Meat & Poultry Products, Subpart K, Poultry First Processor, 40 CFR 432.112 (BPT).

TSS: 362 lbs/d avg-543 lbs/d max, 3-D/Week by a 24-HR Comp. Mass loadings based on avg. and max concentrations and long term average flow of 2.17 MGD. PJ for the protection of water quality standards and criteria and determination of compliance with the permit.

(20 mg/l)x(2.17 mgd)x(8.345 lb/gal)= **362 lbs/d monthly avg.**
(30 mg/l)x(2.17 mgd)x(8.345 ld/gal)= **543 lbs/d daily maximum**

Oil & Grease: 8 mg/l avg-14 mg/l max., 1/Month by a grab sample. Average and Maximum concentrations are based on Federal Effluent Guidelines for Meat & Poultry Products, Subpart K, Poultry First Processor, 40 CFR 432.112 (BPT).

Oil & Grease: 145 lb/s avg-254 lbs/d max., 1/Month by a grab sample. Mass loadings based on avg. and max concentrations and long term average flow of 2.17 MGD. PJ for the protection of water quality standards and criteria and determination of compliance with the permit.

(8 mg/l)x(2.17 mgd)x(8.345 lb/gal)= **145 lbs/d monthly avg.**
(14 mg/l)x(2.17 mgd)x(8.345 ld/gal)= **254 lbs/d daily maximum**

Dissolved Oxygen: 6.5 min, 1/Day by a grab sample. In accordance with VPDES Permit Manual and PJ for the protection of water quality standards and criteria and determination of compliance with the permit.

Fecal Coliform: 200 N/CML avg-400 N/CML max, 3-D/Week by a grab sample. Average is based on TMDL WLA and Federal effluent Guidelines for Meat & Poultry Products 40 CFR 432.112 (BPT) and Maximum is based on Federal Effluent Guidelines for Meat & Poultry Products, Subpart K, Poultry First Processor, 40 CFR 432.112 (BPT).

E.Coli: 126 N/CML avg, 3-D/Week by a grab sample. Based on WQS.

Ammonia Nitrogen: (NH3-N summer)
0.9 mg/l avg-2.9 mg/l max., 3-D/Week by a 24-HR Comp. In accordance with limitations established using site specific data for the summer season and WQS model. These limits remain protective of water quality in stream.

Ammonia Nitrogen: (NH3-N summer)
21 lbs/d avg-68 lbs/d max., 3-D/Week by a 24-HR Comp. In accordance with current long term maximum flow data (2.82 MGD) and established concentrations using site specific data for the summer season and WQS model. These limits remain protective of water quality standards and criteria and determination of compliance with the permit.

(0.9 mg/l)x(2.82 mgd)x(8.345 lb/gal)= **21 lbs/d monthly avg.**
(2.9 mg/l)x(2.82 mgd)x(8.345 ld/gal)= **68 lbs/d daily maximum**

Ammonia Nitrogen (NH3-N) winter:
1.2 mg/l avg - 3.9 mg/l max, 3-D/Week by a 24HR Comp. In accordance with the previously established limitations (that were) developed using site specific data for the winter season and WQS Model as well as the WLA40 Model. These limits remain most protective of water quality standards.

Ammonia Nitrogen (NH3-N) winter:
28 lbs/d avg - 92 lbs/d max, 3-D/Week by a 24HR Comp. In accordance with current long term average flow data (2.17 MGD) and established concentrations using site specific data for the winter season and WQS model. These limits remain protective of water quality standards and criteria and determination of compliance with the permit.

(1.2 mg/l)x(2.82 mgd)x(8.345 lb/gal)= **28 lbs/d monthly avg.**
(3.9 mg/l)x(2.82 mgd)x(8.345 ld/gal)= **92 lbs/d daily maximum**

Total Phosphorus: 0.10 mg/l monthly avg, 3-D/Week by a 24HR Comp. End point concentration consistent with TMDL waste load allocation to the receiving stream. (There is no mass loading limit for Total Nitrogen in this permit in accordance with TMDL and in-depth discussion and evaluation during the 2011 permit issuance; see pertinent correspondence in Attachment 14).

Total Nitrogen: 103 mg/l avg - 147 mg/l max, 2/Month by 24HR Comp. Average and Max concentration based on Federal Effluent Guidelines for Meat and Poultry Products, Subpart K, Poultry First Processor, 40 CFR 432.112 (BPT).

Total Nitrogen: 1865 lbs/d avg - 2662 lbs/d max, 2/Month by 24HR Comp. Mass loadings based on avg. and max concentrations and long term average flow of 2.17 MGD.

(103 mg/l)x(2.17 mgd)x(8.345 lb/gal)= **1865 lbs/d monthly avg.**
(147 mg/l)x(2.82 mgd)x(8.345 ld/gal)= **2662 lbs/d daily maximum**

Total Residual Chlorine: 0.011 mg/l avg - 0.016 mg/l max, 1/Day by a grab sample. Monitoring shall be conducted when the chlorination is used for disinfection (UV system is down or otherwise being maintained). In accordance with Guidance Memo #00-2011 and WQS. Numeric limitation is based on water quality and WLA40 Model.

Cyanide: 7.6 ug/l avg - 7.6 ug/l max, 1/year by a 24HR Comp. In accordance established limitations developed using site specific data and WQS Model as well as the WLA40 Model.

Cyanide: 0.18 lbs/d avg - 0.18 lbs/d max, 1/year by a 24HR Comp. Mass loadings based on concentrations and long term maximum flow of 2.82 MGD. These limits remain most protective of water quality standards.

(0.0076 mg/l)x(2.82 mgd)x(8.345 lb/gal)= **0.18 lb/d monthly avg.**
(0.0076 mg/l)x(2.82 mgd)x(8.345 ld/gal)= **0.18 lb/d daily maximum**

Whole Effluent Toxicity: 1.724 TUc, 1/3Months by a 24HR Comp. The WET limitation will remain as written in the current permit. The limit is based on water quality **Standards**. (complete list of test conducted during the permit term is under attachment 8).

Outfalls 003 and 004

The flows through these outfalls are from impervious surface areas specific to tractor trailer truck traffic, truck parking, employee parking lots, and an overflow pipe from the vegetated storm water pond. These flows are subject to the storm water regulations for areas associated with industrial activity.

Flow: No limit however monitoring required 1/year by an estimate during a qualifying rain event.

OIL & GREASE, BOD5, TSS, TKN, Total PHOSPHORUS, pH, FECAL COLIFORM:

No limit, however benchmark monitoring values apply; guidance for use of benchmark concentration values for these discharges included in the General Permit for Stormwater Discharges Associated with Industrial Activity Regulation 9VAC25-151-10 et seq, and EPA Multi-Section SW General Permit. Parameters monitored and reported 1/year by a grab sample.

Outfalls 005, 006, 008 and 009

The flows through these outfalls are from agricultural and or wooded/forested areas not regulated as being associated with an industrial activity. NO MONITORING OR REPORTING IS REQUIRED.

Subpart K—Poultry First Processing

Back to Top

§432.110 Applicability.

This part applies to discharges of process wastewater resulting from the slaughtering of poultry, further processing of poultry and rendering of material derived from slaughtered poultry. Process wastewater includes water from animal holding areas at these facilities.

Back to Top

§432.111 Special definitions.

For the purpose of this subpart: *Poultry first processing* means slaughtering of poultry and producing whole, halved, quarter or smaller meat cuts.

Back to Top

§432.112 Effluent limitations attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that slaughters more than 100 million pounds per year (in units of LWK) must achieve the following effluent limitations representing the application of BPT:

EFFLUENT LIMITATIONS

[BPT]

Regulated parameter	Maximum daily[1]	Maximum monthly avg.[1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20

[1]mg/L (ppm).

[2]Maximum of 400 MPN or CFU per 100 mL at any time.

[3]No maximum monthly average limitation.

Back to Top

§432.113 Effluent limitations attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that slaughters more than 100 million pounds per year (in units of LWK) must achieve the following effluent limitations representing the application of BAT:

EFFLUENT LIMITATIONS

[BAT]

Regulated parameter	Maximum daily[1]	Maximum monthly avg.[1]
Ammonia (as N)	8.0	4.0
Total Nitrogen	147	103

[1]mg/L (ppm).

SIC - 2015 Poultry Slaughtering and Processing

Establishments primarily engaged in slaughtering, dressing, packing, freezing, and canning poultry, rabbits, and other small game, or in manufacturing products from such meats, for their own account or on a contract basis for the trade. This industry also includes the drying, freezing, and breaking of eggs. Establishments primarily engaged in cleaning, oil treating, packing, and grading of eggs are classified in Wholesale Trade, Industry 5144; and those engaged in the cutting up and resale of purchased fresh carcasses are classified in Wholesale and Retail Trade.

- Chickens, processed: fresh, frozen, canned, or cooked
- Chickens: slaughtering and dressing
- Ducks, processed: fresh, frozen, canned, or cooked
- Ducks: slaughtering and dressing
- Egg albumen
- Egg substitutes made from eggs
- Eggs: canned, dehydrated, desiccated, frozen, and processed
- Eggs: drying, freezing, and breaking
- Frankfurters, poultry
- Game, small: fresh, frozen, canned, or cooked
- Game, small: slaughtering and dressing
- Geese, processed: fresh, frozen, canned or cooked
- Geese: slaughtering and dressing
- Ham, poultry
- Luncheon meat, poultry
- Poultry, processed: fresh. froze canned, or cooked
- Poultry: slaughtering and dressing
- Rabbits, processed: fresh, frozen canned, or cooked
- Rabbits, slaughtering and dressing
- Turkeys, processed: fresh, frozen canned, or cooked
- Turkeys: slaughtering and dressing

SIC 2077 Animal and Marine Fats and Oils

Establishments primarily engaged in manufacturing animal oils, including fish oil and other marine animal oils, and fish and animal meal; and those rendering inedible stearin, grease, and tallow from animal fat, bones, and meat scraps. Establishments primarily engaged in manufacturing lard and edible tallow and stearin are classified in Industry Group 201; those refining marine animal oils for medicinal purposes are classified in Industry 2833; and those manufacturing fatty acids are classified in Industry 2899.

- Feather meal
- Fish liver oils, crude
- Fish meal
- Fish oil and fish oil meal
- Grease rendering, inedible
- Meal, meat and bone: not prepared as feed
- Meat and bone meal and tankage
- Oils, animal
- Oils, fish and marine animal: e.g., herring, menhaden, whale
- Rendering plants, inedible grease and tallow
- Stearin, animal: inedible
- Tallow rendering, inedible

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	FLOW	2.29	NL	2.66	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	FLOW	2.4	NL	3.0	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	FLOW	2.30	NL	3.03	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	FLOW	2.46	NL	3.05	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	FLOW	2.12	NL	2.91	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	FLOW	2.14	NL	2.96	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	FLOW	2.10	NL	3.22	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	FLOW	2.21	NL	2.87	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	FLOW	2.3	NL	2.86	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	FLOW	2.24	NL	2.76	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	FLOW	2.24	NL	2.91	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	FLOW	1.85	NL	2.71	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	FLOW	2.36	NL	2.74	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	FLOW	2.34	NL	2.66	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	FLOW	2.26	NL	2.66	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	FLOW	1.98	NL	2.62	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	FLOW	2.00	NL	2.76	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	FLOW	2.2	NL	2.9	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	FLOW	2.3	NL	2.96	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	FLOW	2.18	NL	2.79	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	FLOW	2.14	NL	2.85	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	FLOW	2.28	NL	2.82	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	FLOW	2.17	NL	2.82	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	FLOW	1.99	NL	2.59	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	FLOW	2.17	NL	2.55	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	FLOW	2.41	NL	2.82	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	FLOW	2.23	NL	2.98	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	FLOW	2.17	NL	2.82	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	FLOW	2.15	NL	2.38	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	FLOW	1.95	NL	2.51	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	FLOW	2.37	NL	2.7	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	FLOW	2.14	NL	2.63	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	FLOW	2.26	NL	2.87	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	FLOW	1.25	NL	3.15	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	FLOW	2.28	NL	2.79	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	FLOW	2.29	NL	3.12	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	FLOW	2.1	NL	2.7	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	FLOW	1.85	NL	2.71	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	FLOW	2.21	NL	3.31	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	FLOW	0.015	NL	0.015	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	FLOW	0.019	NL	0.019	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	FLOW	0.009	NL	0.009	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	FLOW		*********	0.015	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-14	FLOW		*********	0.019	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	FLOW		*********	0.009	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	pH		*********		*********	7.7	6.0		*********	8.8	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	pH		*********		*********	7.4	6.0		*********	8.1	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	pH		*********		*********	7.5	6.0		*********	8.1	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	pH		*********		*********	7.6	6.0		*********	8.0	9.0	

1/12

8-9

84.69/39 =

2.17 mgd

long term average Flow

110.11/39 =

2.82 mgd

2/12

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	pH		*********		*********	7.64	6.0		*********	8.07	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	pH		*********		*********	7.7	6.0		*********	8.2	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	pH		*********		*********	7.5	6.0		*********	8.3	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	pH		*********		*********	7.14	6.0		*********	8.28	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	pH		*********		*********	7.6	6.0		*********	8.3	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	pH		*********		*********	7.2	6.0		*********	8.5	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	pH		*********		*********	7.1	6.0		*********	9.0	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	pH		*********		*********	7.8	6.0		*********	8.44	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	pH		*********		*********	7.4	6.0		*********	8.24	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	pH		*********		*********	7.5	6.0		*********	7.9	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	pH		*********		*********	7.6	6.0		*********	8.2	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	pH		*********		*********	7.8	6.0		*********	8.3	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	pH		*********		*********	7.7	6.0		*********	8.4	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	pH		*********		*********	7.6	6.0		*********	8.3	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	pH		*********		*********	7.97	6.0		*********	8.57	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	pH		*********		*********	7.4	6.0		*********	8.7	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	pH		*********		*********	8.1	6.0		*********	8.5	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	pH		*********		*********	7.4	6.0		*********	8.6	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	pH		*********		*********	7.7	6.0		*********	8.6	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	pH		*********		*********	7.9	6.0		*********	8.6	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	pH		*********		*********	7.7	6.0		*********	8.4	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	pH		*********		*********	7.7	6.0		*********	8.3	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	pH		*********		*********	7.7	6.0		*********	8.8	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	pH		*********		*********	7.6	6.0		*********	8.7	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	pH		*********		*********	7.38	6.0		*********	8.8	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	pH		*********		*********	8.3	6.0		*********	8.8	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	pH		*********		*********	8.2	6.0		*********	8.5	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	pH		*********		*********	8.0	6.0		*********	8.6	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	pH		*********		*********	7.3	6.0		*********	8.6	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	pH		*********		*********	7.6	6.0		*********	8.2	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	pH		*********		*********	7.7	6.0		*********	8.5	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	pH		*********		*********	7.6	6.0		*********	8.2	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	pH		*********		*********	7.4	6.0		*********	8.3	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	pH		*********		*********	7.2	6.0		*********	7.7	9.0	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	pH		*********		*********	7.2	6.0		*********	7.7	9.0	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	pH		*********		*********	7.00	NL		*********	7.00	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	pH		*********		*********	7.0	NL		*********	7.0	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	pH		*********		*********	6.41	NL		*********	6.41	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	pH		*********		*********	6.8	NL		*********	6.8	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	pH		*********		*********	7.0	NL		*********	7.0	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-14	pH		*********		*********	6.7	NL		*********	6.7	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	pH		*********		*********	7.0	NL		*********	7.0	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	pH		*********		*********	6.6	NL		*********	6.6	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	BOD5		*********		*********		*********		*********	25	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	BOD5		*********		*********		*********		*********	10	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	BOD5		*********		*********		*********		*********	<QL	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	BOD5		*********		*********		*********		*********	<24.1	NL	

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	BOD5		*********		*********		*********		*********	30	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-14	BOD5		*********		*********		*********		*********	<QL	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	BOD5		*********		*********		*********		*********	<QL	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	BOD5		*********		*********		*********		*********	18	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	TSS	156	390	270	585		*********	7.9	20	13	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	TSS	97	390	167	585		*********	5.4	20	8.1	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	TSS	82	390	133	585		*********	4.3	20	5.5	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	TSS	111	390	176	585		*********	5.1	20	7.2	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	TSS	51	390	119	585		*********	3	20	7	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	TSS	48	390	74	585		*********	2.8	20	4.2	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	TSS	75	390	125	585		*********	4	20	8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	TSS	65	390	169	585		*********	3.8	20	7.3	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	TSS	61	390	81	585		*********	3.1	20	4	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	TSS	56	390	81	585		*********	3.0	20	3.9	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	TSS	59	390	112	585		*********	3	20	5	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	TSS	52	390	104	585		*********	3	20	7	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	TSS	89	390	179	585		*********	5	20	8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	TSS	30	390	154	585		*********	2	20	9	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	TSS	54	390	81	585		*********	3.1	20	4.4	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	TSS	66	390	114	585		*********	4.1	20	5.5	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	TSS	49	390	76	585		*********	3	20	6	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	TSS	55	390	101	585		*********	3.1	20	4.6	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	TSS	83	390	134	585		*********	4	20	6	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	TSS	110	390	186	585		*********	6	20	8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	TSS	100	390	169	585		*********	6.4	20	12.6	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	TSS	111	390	199	585		*********	5.6	20	8.8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	TSS	89	390	171	585		*********	5	20	8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	TSS	88	390	111	585		*********	5.4	20	5.8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	TSS	82	390	118	585		*********	9.1	20	13.2	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	TSS	156	390	240	585		*********	8	20	13	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	TSS	176	390	347	585		*********	9	20	15	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	TSS	127	390	245	585		*********	7	20	10.6	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	TSS	196	390	267	585		*********	11	20	15	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	TSS	135	390	154	585		*********	7	20	8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	TSS	131	390	195	585		*********	7	20	9	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	TSS	59	390	131	585		*********	4	20	8	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	TSS	50	390	92	585		*********	3	20	5	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	TSS	38	390	65	585		*********	2	20	4	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	TSS	54	390	118	585		*********	2.9	20	6.2	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	TSS	49	390	126	585		*********	2	20	6	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	TSS	26	390	83	585		*********	2	20	5	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	TSS	69	390	466	585		*********	4	20	26	30	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	TSS	41	390	97	585		*********	2.2	20	5.4	30	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	TSS		*********		*********		*********		*********	12	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	TSS		*********		*********		*********		*********	22	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	TSS		*********		*********		*********		*********	3.2	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	TSS		*********		*********		*********		*********	449	NL	

3/12

6-10

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	TSS		*********		*********		*********		*********	25.6	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-14	TSS		*********		*********		*********		*********	9	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	TSS		*********		*********		*********		*********	14.8	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	TSS		*********		*********		*********		*********	214	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	CL2, TOTAL		*********		*********		*********	NR	.011	NR	.016	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	COLIFORM, FECAL		*********		*********		*********	11.7	200	140	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	COLIFORM, FECAL		*********		*********		*********	7.6	200	240	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	COLIFORM, FECAL		*********		*********		*********	4	200	11	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	COLIFORM, FECAL		*********		*********		*********	3.3	200	17	400	

4/12

11-9

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	COLIFORM, FECAL		*********		*********		*********	7.5	200	140	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	COLIFORM, FECAL		*********		*********		*********	7.5	200	130	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	COLIFORM, FECAL		*********		*********		*********	4	200	23	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	COLIFORM, FECAL		*********		*********		*********	12.3	200	80	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	COLIFORM, FECAL		*********		*********		*********	13	200	500	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	COLIFORM, FECAL		*********		*********		*********	3.8	200	80	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	COLIFORM, FECAL		*********		*********		*********	2	200	4	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	COLIFORM, FECAL		*********		*********		*********	4	200	130	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	COLIFORM, FECAL		*********		*********		*********	2	200	4	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	COLIFORM, FECAL		*********		*********		*********	5	200	30	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	COLIFORM, FECAL		*********		*********		*********	7	200	80	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	COLIFORM, FECAL		*********		*********		*********	3	200	30	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	COLIFORM, FECAL		*********		*********		*********	2	200	4	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	COLIFORM, FECAL		*********		*********		*********	3.2	200	11	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	COLIFORM, FECAL		*********		*********		*********	3	200	21	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	COLIFORM, FECAL		*********		*********		*********	12	200	220	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	COLIFORM, FECAL		*********		*********		*********	2.2	200	4	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	COLIFORM, FECAL		*********		*********		*********	3	200	80	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	COLIFORM, FECAL		*********		*********		*********	2	200	4	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	COLIFORM, FECAL		*********		*********		*********	2.4	200	25	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	COLIFORM, FECAL		*********		*********		*********	2.6	200	8	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	COLIFORM, FECAL		*********		*********		*********	2.3	200	8	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	COLIFORM, FECAL		*********		*********		*********	12	200	110	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	COLIFORM, FECAL		*********		*********		*********	5.3	200	33	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	COLIFORM, FECAL		*********		*********		*********	7.3	200	79	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	COLIFORM, FECAL		*********		*********		*********	6.3	200	33	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	COLIFORM, FECAL		*********		*********		*********	3	200	11	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	COLIFORM, FECAL		*********		*********		*********	20	200	>1600	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	COLIFORM, FECAL		*********		*********		*********	4	200	79	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	COLIFORM, FECAL		*********		*********		*********	5	200	49	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	COLIFORM, FECAL		*********		*********		*********	4.3	200	240	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	COLIFORM, FECAL		*********		*********		*********	2	200	8	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	COLIFORM, FECAL		*********		*********		*********	1.8	200	1.8	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	COLIFORM, FECAL		*********		*********		*********	1.8	200	1.8	400	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	COLIFORM, FECAL		*********		*********		*********	1.8	200	2	400	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	COLIFORM, FECAL		*********		*********		*********		*********	>1600	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	COLIFORM, FECAL		*********		*********		*********		*********	220	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	COLIFORM, FECAL		*********		*********		*********		*********	50	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	COLIFORM, FECAL		*********		*********		*********		*********	>1600	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	COLIFORM, FECAL		*********		*********		*********		*********	>1600	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-14	COLIFORM, FECAL		*********		*********		*********		*********	22	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	COLIFORM, FECAL		*********		*********		*********		*********	50	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	COLIFORM, FECAL		*********		*********		*********		*********	>1600	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	DO		*********		*********	8.4	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	DO		*********		*********	8.1	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	DO		*********		*********	8.6	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	DO		*********		*********	8.4	6.5		*********		*********	

5/12

21-9

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	DO		*********		*********	7.64	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	DO		*********		*********	7.4	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	DO		*********		*********	7.1	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	DO		*********		*********	6.6	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	DO		*********		*********	7.0	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	DO		*********		*********	6.7	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	DO		*********		*********	7.7	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	DO		*********		*********	7.98	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	DO		*********		*********	8.6	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	DO		*********		*********	8.8	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	DO		*********		*********	9.2	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	DO		*********		*********	8.2	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	DO		*********		*********	8	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	DO		*********		*********	7.2	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	DO		*********		*********	6.7	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	DO		*********		*********	7.4	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	DO		*********		*********	6.6	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	DO		*********		*********	7.00	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	DO		*********		*********	6.9	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	DO		*********		*********	7.25	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	DO		*********		*********	7.9	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	DO		*********		*********	7.8	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	DO		*********		*********	7.8	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	DO		*********		*********	7.8	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	DO		*********		*********	7.0	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	DO		*********		*********	6.7	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	DO		*********		*********	6.7	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	DO		*********		*********	6.6	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	DO		*********		*********	7.2	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	DO		*********		*********	7.4	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	DO		*********		*********	7.7	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	DO		*********		*********	8.0	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	DO		*********		*********	7.6	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	DO		*********		*********	7.5	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	DO		*********		*********	8.2	6.5		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	PHOSPHORUS, TOTAL (AS	11.9	50		*********		*********	0.65	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	PHOSPHORUS, TOTAL (AS	6.6	50		*********		*********	0.35	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	PHOSPHORUS, TOTAL (AS	5	50		*********		*********	0.3	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	PHOSPHORUS, TOTAL (AS	11.3	50		*********		*********	0.57	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	PHOSPHORUS, TOTAL (AS	13	50		*********		*********	0.72	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	PHOSPHORUS, TOTAL (AS	10.7	50		*********		*********	0.64	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	PHOSPHORUS, TOTAL (AS	13	50		*********		*********	0.8	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	PHOSPHORUS, TOTAL (AS	9	50		*********		*********	0.56	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	PHOSPHORUS, TOTAL (AS	5	50		*********		*********	0.3	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	PHOSPHORUS, TOTAL (AS	5	50		*********		*********	0.3	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	PHOSPHORUS, TOTAL (AS	8	50		*********		*********	0.43	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	PHOSPHORUS, TOTAL (AS	5	50		*********		*********	0.35	2.0		*********	

6/12

6-13

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	PHOSPHORUS, TOTAL (AS	8	50		*********		*********	0.4	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	PHOSPHORUS, TOTAL (AS	7	50		*********		*********	0.4	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	PHOSPHORUS, TOTAL (AS	6	50		*********		*********	0.4	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	PHOSPHORUS, TOTAL (AS	4.7	50		*********		*********	0.3	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	PHOSPHORUS, TOTAL (AS	6	50		*********		*********	0.34	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	PHOSPHORUS, TOTAL (AS	11	50		*********		*********	0.6	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	PHOSPHORUS, TOTAL (AS	17	50		*********		*********	0.87	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	PHOSPHORUS, TOTAL (AS	19	50		*********		*********	1.0	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	PHOSPHORUS, TOTAL (AS	12	50		*********		*********	0.7	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	PHOSPHORUS, TOTAL (AS	23	50		*********		*********	1.1	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	PHOSPHORUS, TOTAL (AS	18	50		*********		*********	0.9	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	PHOSPHORUS, TOTAL (AS	6.33	50		*********		*********	0.4	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	PHOSPHORUS, TOTAL (AS	10	50		*********		*********	0.5	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	PHOSPHORUS, TOTAL (AS	3.4	50		*********		*********	0.17	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	PHOSPHORUS, TOTAL (AS	10	50		*********		*********	0.5	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	PHOSPHORUS, TOTAL (AS	19	50		*********		*********	1.15	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	PHOSPHORUS, TOTAL (AS	18	50		*********		*********	1.0	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	PHOSPHORUS, TOTAL (AS	18	50		*********		*********	0.9	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	PHOSPHORUS, TOTAL (AS	29	50		*********		*********	1.4	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	PHOSPHORUS, TOTAL (AS	24	50		*********		*********	1.5	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	PHOSPHORUS, TOTAL (AS	10	50		*********		*********	0.5	2.0		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********	0.09	0.10	0.18	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********	0.15	0.10	0.33	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********	0.07	0.10	0.28	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********	<QL	0.10	<QL	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********	0.07	0.10	0.13	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********	0.07	0.10	0.11	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	1.06	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	0.79	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	0.97	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	3.6	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	1.11	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-14	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	0.31	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	1.02	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	PHOSPHORUS, TOTAL (AS P)		*********		*********		*********		*********	0.95	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	NITROGEN, TOTAL (AS N)	1733	2010	1814	2869		*********	88.4	103	89.1	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	NITROGEN, TOTAL (AS N)	1281	2010	1441	2869		*********	88.4	103	91	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	NITROGEN, TOTAL (AS N)	843	2010	944	2869		*********	70	103	77	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	NITROGEN, TOTAL (AS N)	1074	2010	1353	2869		*********	79	103	82	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	NITROGEN, TOTAL (AS N)	770	2010	886	2869		*********	55	103	64	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	NITROGEN, TOTAL (AS N)	1291	2010	1551	2869		*********	82.4	103	82.9	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	NITROGEN, TOTAL (AS N)	720	2010	723	2869		*********	56	103	58	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	NITROGEN, TOTAL (AS N)	607	2010	700	2869		*********	46	103	53	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	NITROGEN, TOTAL (AS N)	899	2010	989	2869		*********	72	103	73.6	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	NITROGEN, TOTAL (AS N)	1137	2010	1654	2869		*********	50.6	103	73.4	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	NITROGEN, TOTAL (AS N)	141	2010	183	2869		*********	6.6	103	8.5	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	NITROGEN, TOTAL (AS N)	173	2010	271	2869		*********	9	103	14	147	

7/12

41-9

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	NITROGEN, TOTAL (AS N)	871	2010	891	2869		*********	74	103	80	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	NITROGEN, TOTAL (AS N)	805	2010	817	2869		*********	65.9	103	69.1	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	NITROGEN, TOTAL (AS N)	931	2010	994	2869		*********	79	103	79	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	NITROGEN, TOTAL (AS N)	1078	2010	1248	2869		*********	79	103	81	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	NITROGEN, TOTAL (AS N)	1126	2010	1189	2869		*********	62	103	74	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	NITROGEN, TOTAL (AS N)	961	2010	1043	2869		*********	86.5	103	90.1	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	NITROGEN, TOTAL (AS N)	680	2010	1209	2869		*********	57	103	98.8	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	NITROGEN, TOTAL (AS N)	285	2010	290	2869		*********	17.3	103	19.4	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	NITROGEN, TOTAL (AS N)	112	2010	120	2869		*********	9.7	103	11.4	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	NITROGEN, TOTAL (AS N)	341	2010	419	2869		*********	22	103	24	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	NITROGEN, TOTAL (AS N)	300	2010	360	2869		*********	14	103	17	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	NITROGEN, TOTAL (AS N)	181	2010	236	2869		*********	13	103	13	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	NITROGEN, TOTAL (AS N)	186	2010	221	2869		*********	10.1	103	10.6	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	NITROGEN, TOTAL (AS N)	88	2010	99	2869		*********	4.6	103	5.5	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	NITROGEN, TOTAL (AS N)	260	2010	263	2869		*********	12	103	12	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	NITROGEN, TOTAL (AS N)	90	2010	92	2869		*********	7	103	10	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	NITROGEN, TOTAL (AS N)	150	2010	201	2869		*********	9	103	11	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	NITROGEN, TOTAL (AS N)	197	2010	239	2869		*********	9	103	12	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	NITROGEN, TOTAL (AS N)	152	2010	159	2869		*********	7.2	103	7.2	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	NITROGEN, TOTAL (AS N)	46	2010	74	2869		*********	3.9	103	4	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	NITROGEN, TOTAL (AS N)	200	2010	250	2869		*********	11	103	14	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	NITROGEN, TOTAL (AS N)	915	2010	1255	2869		*********	52	103	60	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	NITROGEN, TOTAL (AS N)	225	2010	358	2869		*********	16	103	25	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	NITROGEN, TOTAL (AS N)	368	2010	583	2869		*********	20	103	33	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	NITROGEN, TOTAL (AS N)	69	2010	96	2869		*********	6	103	10	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	NITROGEN, TOTAL (AS N)	114	2010	127	2869		*********	7	103	7	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	NITROGEN, TOTAL (AS N)	145	2010	165	2869		*********	6.7	103	7.3	147	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	CYANIDE, TOTAL (AS CN)	0.06	0.20	0.06	0.20		*********	<5	7.6	<5	7.6	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	CYANIDE, TOTAL (AS CN)	0.06	0.20	0.06	0.20		*********	5	7.6	5	7.6	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	CYANIDE, TOTAL (AS CN)	0.06	0.20	0.06	0.20		*********	<5	7.6	<5	7.6	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	CYANIDE, TOTAL (AS CN)	0.11	0.20	0.11	0.20		*********	<5	7.6	<5	7.6	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	CYANIDE, TOTAL (AS CN)	0.11	0.20	0.11	0.20		*********	<5.0	7.6	<5.0	7.6	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	CYANIDE, TOTAL (AS CN)	.10	0.20	.10	0.20		*********	<5.0	7.6	<5.0	7.6	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	CYANIDE, TOTAL (AS CN)	0.04	0.20	0.04	0.20		*********	2.0	7.6	2.0	7.6	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	TKN (N-KJEL)		*********		*********		*********		*********	5.4	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	TKN (N-KJEL)		*********		*********		*********		*********	5.1	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	TKN (N-KJEL)		*********		*********		*********		*********	7.0	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	TKN (N-KJEL)		*********		*********		*********		*********	7.9	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	TKN (N-KJEL)		*********		*********		*********		*********	6.3	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-14	TKN (N-KJEL)		*********		*********		*********		*********	0.7	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	TKN (N-KJEL)		*********		*********		*********		*********	4.7	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	TKN (N-KJEL)		*********		*********		*********		*********	3	NL	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	E.COLI		*********		*********		*********	4.7	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	E.COLI		*********		*********		*********	3.6	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	E.COLI		*********		*********		*********	2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	E.COLI		*********		*********		*********	2.22	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	E.COLI		*********		*********		*********	3	126		*********	

9/12

9-15

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	E.COLI		*********		*********		*********	2.6	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	E.COLI		*********		*********		*********	1.38	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	E.COLI		*********		*********		*********	13.2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	E.COLI		*********		*********		*********	4.7	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	E.COLI		*********		*********		*********	1.84	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	E.COLI		*********		*********		*********	1	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	E.COLI		*********		*********		*********	3	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	E.COLI		*********		*********		*********	2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	E.COLI		*********		*********		*********	2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	E.COLI		*********		*********		*********	5	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	E.COLI		*********		*********		*********	1.3	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	E.COLI		*********		*********		*********	1.18	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	E.COLI		*********		*********		*********	1.31	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	E.COLI		*********		*********		*********	1.43	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	E.COLI		*********		*********		*********	5.8	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	E.COLI		*********		*********		*********	5	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	E.COLI		*********		*********		*********	2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	E.COLI		*********		*********		*********	1	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	E.COLI		*********		*********		*********	2.33	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	E.COLI		*********		*********		*********	4	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	E.COLI		*********		*********		*********	1.3	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	E.COLI		*********		*********		*********	10	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	E.COLI		*********		*********		*********	4	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	E.COLI		*********		*********		*********	6	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	E.COLI		*********		*********		*********	2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	E.COLI		*********		*********		*********	1.62	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	E.COLI		*********		*********		*********	3	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	E.COLI		*********		*********		*********	2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	E.COLI		*********		*********		*********	2	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	E.COLI		*********		*********		*********	2.4	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	E.COLI		*********		*********		*********	1	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	E.COLI		*********		*********		*********	1	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	E.COLI		*********		*********		*********	1	126		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	E.COLI		*********		*********		*********	1	126		*********	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	FLOW, PRECIPITATION EV	0.013	NL	0.013	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	FLOW, PRECIPITATION EVENT		*********	0.013	NL		*********		*********		*********	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	BOD5, NOV-APR	25	312	82	507		*********	2	16	5	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	BOD5, NOV-APR	39	312	114	507		*********	2.1	16	5.5	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	

9/12

6-16

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	BOD5, NOV-APR	104	312	112	507		*********	5.5	16	5.8	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	BOD5, NOV-APR	98	312	148	507		*********	5.0	16	8.0	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	BOD5, NOV-APR	75	312	133	507		*********	4	16	5	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	BOD5, NOV-APR	77	312	131	507		*********	4	16	6	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	BOD5, NOV-APR	73	312	93	507		*********	4	16	5	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	BOD5, NOV-APR	<QL	312	<QL	507		*********	<QL	16	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	BOD5, MAY-OCT	36.7	293	96.5	507		*********	2.2	15	5	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	BOD5, MAY-OCT	23	293	34	507		*********	1.17	15	1.75	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	BOD5, MAY-OCT	17	293	35	507		*********	0.86	15	1.49	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	BOD5, MAY-OCT	51	293	128	507		*********	2.6	15	5.6	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	BOD5, MAY-OCT	61	293	100	507		*********	3	15	5	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	BOD5, MAY-OCT	<QL	293	<QL	507		*********	<QL	15	<QL	26	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.33	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.0	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.0	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.0	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.00	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	>5.88	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.0	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	2.32	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.33	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.33	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.72	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.0	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	TOXICITY, FINAL, CHRONIC		*********		*********		*********		*********	1.0	1.724	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	AMMONIA, AS N MAY-OCT	<QL	23	<QL	73		*********	<QL	0.9	<QL	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	AMMONIA, AS N MAY-OCT	<QL	23	<QL	73		*********	<QL	0.9	<QL	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	AMMONIA, AS N MAY-OCT	1.8	23	2.7	73		*********	0.11	0.9	0.2	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	AMMONIA, AS N MAY-OCT	<QL	23	<QL	73		*********	<QL	0.9	<QL	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	AMMONIA, AS N MAY-OCT	3	23	6	73		*********	0.1	0.9	0.3	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	AMMONIA, AS N MAY-OCT	2	23	3	73		*********	0.1	0.9	0.1	2.9	

10/12

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	AMMONIA, AS N MAY-OCT	<QL	23	<QL	73		*********	<QL	0.9	<QL	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	AMMONIA, AS N MAY-OCT	<QL	23	<QL	73		*********	<QL	0.9	<QL	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	AMMONIA, AS N MAY-OCT	<QL	23	<QL	73		*********	<QL	0.9	<QL	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	AMMONIA, AS N MAY-OCT	2.5	23	4.3	73		*********	0.14	0.9	0.2	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	AMMONIA, AS N MAY-OCT	6	23	13	73		*********	0.3	0.9	0.6	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	AMMONIA, AS N MAY-OCT	5	23	8	73		*********	0.24	0.9	0.4	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	AMMONIA, AS N MAY-OCT	5	23	9	73		*********	0.25	0.9	0.45	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	AMMONIA, AS N MAY-OCT	7	23	10	73		*********	0.3	0.9	0.5	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	AMMONIA, AS N MAY-OCT	8	23	17	73		*********	0.5	0.9	1.0	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	AMMONIA, AS N MAY-OCT	4	23	7	73		*********	0.2	0.9	0.3	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	AMMONIA, AS N MAY-OCT	4	23	52	73		*********	0.2	0.9	0.73	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	AMMONIA, AS N MAY-OCT	<QL	23	<QL	73		*********	<QL	0.9	<QL	2.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	AMMONIA, AS N NOV-APR	2.3	30	6.5	98		*********	0.13	1.2	0.29	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	AMMONIA, AS N NOV-APR	2	30	3	98		*********	0.12	1.2	0.20	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	AMMONIA, AS N NOV-APR	3	30	5	98		*********	0.17	1.2	0.3	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	AMMONIA, AS N NOV-APR	5	30	33	98		*********	0.2	1.2	1.5	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	AMMONIA, AS N NOV-APR	3	30	6	98		*********	0.2	1.2	0.4	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	AMMONIA, AS N NOV-APR	5	30	29	98		*********	0.29	1.2	1.64	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	AMMONIA, AS N NOV-APR	<QL	30	<QL	98		*********	<QL	1.2	<QL	3.9	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-13	OIL & GREASE	128	156	322	273		*********	8.6	8	16	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-13	OIL & GREASE	104	156	104	273		*********	5	8	5	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-13	OIL & GREASE	94	156	94	273		*********	5	8	5	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-13	OIL & GREASE	97	156	97	273		*********	<5	8	<5	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-13	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-14	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-14	OIL & GREASE	<QL	156	<QL	273		*********	<QL	8	<QL	14	

11/12

81-9

Permit No	Facility Name	Outfall Number	Due Date	Parameter Description	Qavg	Lim-Avg	Qmax	Lim-Max	Cmin	Lim-Min	Cavg	Lim-Avg	Cmax	Lim-Max	Ex Lim
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-14	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Apr-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-May-15	OIL & GREASE	135	156	181	273		**********	7.5	8	10	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jun-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jul-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Aug-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Sep-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Oct-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Nov-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Dec-15	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Jan-16	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Feb-16	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	001	10-Mar-16	OIL & GREASE	<QL	156	<QL	273		**********	<QL	8	<QL	14	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-13	OIL & GREASE		**********		**********		**********		**********	5	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-14	OIL & GREASE		**********		**********		**********		**********	17	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-15	OIL & GREASE		**********		**********		**********		**********	<QL	NL	
VA0003808	Perdue Foods LLC - Accomack	003	10-Jan-16	OIL & GREASE		**********		**********		**********		**********	<QL	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-13	OIL & GREASE		**********		**********		**********		**********	<QL	NL	
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VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-15	OIL & GREASE		**********		**********		**********		**********	<QL	NL	
VA0003808	Perdue Foods LLC - Accomack	004	10-Jan-16	OIL & GREASE		**********		**********		**********		**********	<QL	NL	

12/12

61-9

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
METALS														
Antimony			14	4300										
Arsenic			50											
Arsenic III	360	190												
Barium			2000											
Cadmium	3.9(1)	1.1(1)												
Chromium III	1700(1)	210(1)												
Chromium VI	16	11												
Copper	18(1)	12(1)	1300											
Iron			300											
Lead	120(1)	14(1)	15											
Manganese			50											
Mercury	2.4	.012	.052	.053										
Nickel	180(1)	20(1)	610	4600										
Selenium	20	5	170	11000										
Silver	4.1(1)													
Zinc	120(1)	110(1)	5000											
PESTICIDES/PCB'S														
Aldrin	3	.3	.0013	.0014										
Chlordane	2.4	.0043	.0058	.0059										
Chlorpyrifos (Dursban)	.083	.041												

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
DDD			.0083	.0084										
DDE			.0059	.0059										
DDT	1.1	.001	.0059	.0059										
Demeton		.1												
2,4-dichloro-phenoxy acetic acid (2,4-D)			71											
Dieldrin	2.5	.0019	.0014	.0014										
Endosulfan	.22	.056	110	240										
Endrin	.18	.0023	.76	.81										
Guthion		.01												
Heptachlor	.52	.0038	.0021	.0021										
Hexachloro-cyclohexane (Lindane)	2	.08	7	25										
Kepone		0												
Malathion		.1												
Methoxychlor		.03	40											
Mirex		0												
Parathion	.065	.013												
PCB-1242		.014	.00044	.00045										
PCB-1254		.014	.00044	.00045										
PCB-1221		.014	.00044	.00045										
PCB-1232		.014	.00044	.00045										
PCB-1248		.014	.00044	.00045										

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
PCB-1260		.014	.00044	.00045										
PCB-1016		.014	.00044	.00045										
Toxaphene	.73	.0002	.0073	.0075										
2-(2,4,5-Trichlor-phenoxy) propionic acid (Silvex)			50											
BASE NEUTRAL EXTRACTABLES														
Acenaphthene			1200	2700										
Anthracene			9600	110000										
Benzo(a) anthracene			.044	.49										
Benzo(b) fluoranthene			.044	.49										
Benzo(k) fluoranthene			.044	.49										
Benzo(a) pyrene			.044	.49										
Butyl benzyl phthalate			3000	5200										
Chrysene			.044	.49										
Dibenz(a,h) anthracene			.044	.49										
Dibutyl phthalate			2700	12000										
1,2-Dichloro-benzene			2700	17000										

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
1,3-Dichloro-benzene			400	2600										
1,4-Dichloro-benzene			400	2600										
Diethyl phthalate			23000	120000										
Di-2-Ethylhexyl phthalate			18	59										
2,4-Dinitro-toluene			1.1	91										
Fluoranthene			300	370										
Fluorene			1300	14000										
Indeno (1,2,3-cd) pyrene			.044	.49										
Isophorone			6900	490000										
Nitrobenzene			17	1900										
Pyrene			960	11000										
1,2,4 Trichloro-benzene			260	950										
VOLATILES														
Benzene			12	710										
Bromoform			44	3600										
Carbon Tetrachloride			2.5	45										

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
Chloro-dibromo-methane			690	57000										
Chloroform			57	4700										
Dichloro-methane			47	16000										
Dichloro-bromomethane			5.6	460										
1,2-Dichloro-ethane			3.8	990										
1,1-Dichloro-ethylene			310	17000										
Ethylbenzene			3100	29000										
Monochloro-benzene			680	21000										
Tetrachloro-ethylene			320	3500										
Toluene			6800	200000										
Trichloro-ethylene			27	810										
Vinyl Chloride			20	5300										
ACIDS EXTRACTABLES														
2-Chloro-phenol			120	400										
2,4 Dichloro-phenol			93	790										
2,4 Dimethyl-phenol			540	2300										

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
Pentachloro-phenol	**	**	2.8	82										
Phenol			21000	4600000										
2,4,6-Trichloro-phenol			21	65										
MISCELLANEOUS														
Ammonia (as NH3-N)	***	***												
Chlorides	860000	230000	250000											
Chlorine, Total Residual	19	11												
Cyanide	22	5.2	700	215000										
Dioxin				1.2(2)										
Fecal Coliform (N/CML)														
Foaming Agents (as MBAS)			500											
Hydrogen Sulfide		2												
Nitrate			10000											
Sulfate			250000											
Total Dissolved Solids			500000											
Tributyltin	.46	.026												

ATTACHMENT 7

SPECIAL CONDITIONS RATIONALE

VPDES PERMIT PROGRAM
LIST OF SPECIAL CONDITIONS RATIONALE

Name of Condition:

B. Schedule of Compliance

Rationale: In accordance with the VPDES Permit Regulation, 9 VAC 25-31-250, and 40 CFR 122.47, the permit may, when appropriate, specify a schedule of compliance leading to compliance with the Clean Water Act, laws and regulations. An area of the synthetic liner of existing anaerobic lagoon #3 has experienced a tear resulting in high potential for leaching contaminants into state waters. Proper closure of this anaerobic lagoon is essential for protection of state waters.

C. WET Schedule and Limitation

Rationale: Required by the State Water Control Law, Section 62.1-44.15 (3a) and the State's Water Quality Standards (9 VAC 25-260-20). In addition, the VPDES Permit Regulation, 9 VAC 25-31-220 D. and 40 CFR 122.44 (d) require limits necessary to meet water quality standards. In accordance with the VPDES Permit Regulation, 9 VAC 25-31-250, and 40 CFR 122.47, the permit may, when appropriate, specify a schedule of compliance leading to compliance with the Clean Water Act, laws and regulations. See Attachment 9 of this fact sheet for additional justification.

D. OTHER REQUIREMENTS OR SPECIAL CONDITIONS

1.a. Water Quality Standards Reopener

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-220 D requires effluent limitations to be established which will contribute to the attainment or maintenance of water quality criteria.

1.b. Nutrient Enriched Waters Reopener

Rationale: The Policy for Nutrient Enriched Waters, 9 VAC 25-40 -10 allows reopening of permits for discharges into waters designated as nutrient enriched if total phosphorus and total nitrogen in a discharge potentially exceed specified concentrations. The policy also anticipates that future total phosphorus and total nitrogen limits may be needed.

1.c. Total Maximum Daily Load (TMDL) Reopener

Rationale: For specified waters, Section 303(d) of the Clean Water Act requires the development of total maximum daily loads necessary to achieve the applicable water quality standards. The TMDL must take into account seasonal variations and a margin of safety. In addition, Section 62.1-44.19:7 of the State Water Control Law requires the development and implementation of plans to address impaired waters, including TMDLs. This condition allows for the permit to be either modified or, alternatively, revoked and reissued to incorporate the requirements of a TMDL once it is developed. In addition, the reopener recognizes that, in according to Section 402(o)(1) of the Clean Water Act, limits and/or conditions may be either more or less stringent than those contained in this permit. Specifically, they can be relaxed if they are the result of a TMDL, basin plan or other wasteload allocation prepared under Section 303 of the Act.

2. Licensed Operator Requirement

Rationale: The Permit Regulation, 9 VAC 25-31-200 D and Code of Virginia 54.1-2300 et. seq., Rules and Regulations for Waterworks and Wastewater Works Operators (18 VAC 160-20-10 et seq.) requires licensure of operators.

3. Operations & Maintenance (O & M) Manual

Rationale: The State Water Control Law, Section 62.1-44.21 allows requests for any information necessary to determine the effect of the discharge on State waters. Section 401 of the Clean Water Act requires the permittee to provide opportunity for the state to review the proposed operations of the facility. In addition, 40 CFR 122.41 (e) requires the permittee, at all times, to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) in order to achieve compliance with the permit (includes laboratory controls and QA/QC).

4. Notification Levels

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-200 and 40 CFR 122.42 (a) require notification of the discharge of certain parameters at or above specific concentrations for existing manufacturing, commercial mining and silvicultural discharges.

5. Quantification Levels Under Part I.A.

Rationale: States are authorized to establish monitoring methods and procedures to compile and analyze data on water quality, as per 40 CFR part 130, Water Quality Planning and Management, subpart 130.4. Section b. of the special condition defines QL and is included per BPJ to clarify the difference between QL and MDL.

6. Compliance Reporting Under Part I.A.

Rationale: Defines reporting requirements for toxic parameters and some conventional parameters with quantification levels to ensure consistent, accurate reporting on submitted reports.

7. Materials Handling and Storage

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-50 A., prohibits the discharge of any wastes into State waters unless authorized by permit. The State Water Control Law, Sec. 62.1-44.18:2, authorizes the Board to prohibit any waste discharge which would threaten public health or safety, interfere with or be incompatible with treatment works or water use. Section 301 of the Clean Water Act prohibits the discharge of any pollutant unless it complies with specific sections of the Act.

8. Solids Handling and Disposal Plan

Rationale: The Biosolids Use Regulation, 12 VAC 5-585-330 and 340, specifies the general purpose and control requirements for an O&M manual in order to facilitate proper O&M of the facilities to meet the requirements of the regulation.

9. Minimum Freeboard

Rationale: Minimize the discharge of untreated wastewater to the groundwater or surface waters.

10. Ground Water Monitoring Plan

Rationale: Ground water monitoring will indicate whether the system integrity is being maintained and will determine if activities at the site are resulting in violations of the SWCB's Groundwater Standards.

11. Existing Anaerobic Lagoon #3 Closure Plan Requirement

Rationale: The plan must propose and implement closure procedures to ensure proper closure of surface impoundments and/or storage lagoons for protection of surface and groundwater quality. In accordance with Guidance memo No. 05-2005 dated April 14, 2005 (Ellen Gilinski) "Procedures-Closure or Abandonment of Lagoon/STW"

E. STORM WATER MANAGEMENT CONDITIONS

1. Benchmark Concentration Values

Rationale: In accordance with VPDES general permit for discharges of storm water associated with industrial activity, 9VAC25-151-10 et seq.

2. General Storm Water Conditions

a. Sample Type

Rationale: This stipulates the proper sampling methodology for qualifying rain events from regulated storm water outfalls. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

b. Recording of Results

Rationale: This sets forth the information which must be recorded and reported for each storm event sampling (ie. date and duration event, rainfall measurement, and duration between qualifying events). It also requires the maintenance of daily rainfall logs which are to be reported. This condition is carried over from the previous storm water pollution prevention plan requirements contained in the EPA storm water baseline industrial general permit.

c. Sampling Waiver

Rationale: This condition allows the permittee to collect substitute samples of qualifying storm events in the event of adverse climatic conditions. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

d. Representative Outfalls-Substantially Identical Discharges

Rationale: This condition allows the permittee to submit the results of sampling from one outfall as representative of other similar outfalls, provided the permittee can demonstrate that the outfalls are substantially identical. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

e. Quarterly Visual Examination of Storm Water Quality

Rationale: This condition requires that visual examinations of storm water outfalls take place at a specified frequency and sets forth what information needs to be checked and documented. These examinations assist with the evaluation of the pollution prevention plan by providing a simple, low cost means of assessing the quality of storm water discharge with immediate feedback. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

f. Allowable Non-Storm Water Discharges

Rationale: The listed allowable non-storm water discharges are the same as those allowed by the EPA in their multi-sector general permit, and are the same non-storm water discharges allowed under the Virginia General VPDES Permit for Discharges of Storm Water Associated with Industrial Activity, 9 VAC 25-151-10 et seq. Allowing the same non-storm water discharges in VPDES individual permits provides consistency with other storm water permits for industrial facilities. The non-storm water discharges must meet the conditions in the permit.

g. Releases of Hazardous Substances or Oil in Excess of Reportable Quantities

Rationale: This condition requires that the discharge of hazardous substances or oil from a facility be eliminated or minimized in accordance with the facility's storm water pollution prevention plan. If there is a discharge of a material in excess of a reportable quantity, it establishes the reporting requirements in accordance with state laws and federal regulations. In addition, the pollution prevention plan for the facility must be reviewed and revised as necessary to prevent a reoccurrence of the spill. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

h. Water Quality Protection

i. Corrective Actions

j. Additional Requirements for Salt Storage

2. Storm Water Pollution Prevention Plan

Rationale: The Clean Water Act 402(p) (2) (B) requires permits for storm water discharges associated with industrial activity. VPDES permits for storm water discharges must establish BAT/BCT requirements in accordance with 402(p)(3) of the Act. The Storm Water Pollution Prevention Plan is the vehicle proposed by EPA in the final NPDES General Permits for Storm Water Discharges Associated with Industrial Activity (Federal Register Sept 9, 1992) to meet the requirements of the Act. Additionally, the VPDES Permit Regulation, 9 VAC 25-31-220 K., and 40 CFR 122.44 (k) allow BMPs for the control of toxic pollutants listed in Section 307 (a)(1), and hazardous substances listed in Section 311 of the Clean Water Act where numeric limits are infeasible or BMPs are needed to accomplish the purpose/intent of the law.

7-5

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY PROGRAMS
ELLEN GILINSKY, Ph.D., DIRECTOR

P.O.BOX 10009 **Richmond, VA 23240-0009**

SUBJECT: Guidance Memorandum No. 05-2005
Procedures – Closure or Abandonment of Lagoon/STW

TO: Regional Directors

FROM: Ellen Gilinsky, Ph.D., Director Ellen Gilinsky

DATE: April 14, 2005

COPIES: Deputy Regional Directors, Regional Water Permit Managers, Regional Compliance Managers, Cindy Berndt, Asif K. Malik, OWE Engineers

Summary:

The purpose of this memorandum is to provide procedures and guidance to the Office of Wastewater Engineering (OWE) Area Engineers to process the submittal of Lagoon or Sewage Treatment Works (STW) Closure Plans as per section: 9VAC 25-790-450 of Sewage Collection and Treatment (SCAT) Regulations.

Electronic Copy:

An electronic copy of the this guidance in PDF format is available for staff internally on DEQNET, and for the public on DEQ's website at http://www.deq.virginia.gov/water.

Contact Information:

Please contact Asif K. Malik, P.E., Office of Wastewater Engineering, (804) 698-4476 or akmalik@deq.virginia.gov if you have any questions about this guidance.

Disclaimer:

This document is provided as guidance and, as such, sets forth standard operating procedures for the agency. However, it does not mandate any particular method nor does it prohibit any particular method for the analysis of data, establishment of a wasteload allocation, or establishment of a permit limit. If alternative proposals are made, such proposals should be reviewed and accepted or denied based on their technical and compliance with appropriate laws and regulations.

7-6

Purpose

The purpose of this memorandum is to provide procedures and guidance to the Office of Wastewater Engineering (OWE) Area Engineers to process the submittal of Lagoon or Sewage Treatment Works (STW) Closure Plans as per section: 9VAC 25-790-450 of Sewage Collection and Treatment (SCAT) Regulations.

Whenever a lagoon/STW closure or abandonment is proposed by the owner because of the need to build another treatment facility to meet stringent effluent limits or because of the need to convey the sewage to a Regional treatment facility, a complete lagoon/STW closure plan should include the following activities as part of the closure process.

Lagoon Drainage:

Liquid from the lagoon should be removed (decanted) at a controlled rate so that effluent limits specified in the VPDES permit for the facility are not violated. The lagoon discharge should be disinfected unless testing of the lagoon contents verifies that the liquid contains an acceptable level of pathogenic organisms as indicated by a geometric mean value of 126 E coli per 100 milliliters, or less. In some cases, when a treatment facility with adequate capacity is available nearby, it may be possible to pump the lagoon liquid contents to this sewage treatment facility for further treatment.

Residuals Stabilization:

The lagoon residual mixture left after decanting should be allowed to air dry until it can be worked with construction equipment. Lime can be spread over the residual mixture (1.0 to 2.0 pounds per 100 square feet) for disinfection and odor control. It is acceptable to bury stabilized solids in place for VPDES permitted facilities receiving only domestic sewage (verified by a letter from the owner.) Otherwise, representative samples of the residual mixture must be tested to verify that no hazardous pollutants are present. Additives such as soil, sand, lime and cement have been used to draw moisture out of liquid sludge mixtures to facilitate burial or handling as dewatered sludge. In some situations, burial of residuals in place may not be appropriate because of high ground water level.

Piping and Appurtenances Removal:

Influent/effluent lines should be removed and/or plugged. Any demolition waste should be reduced in size if left to be buried in the lagoon. The fence should not be removed or left open until after grading of the site commences.

Liner:

Properly constructed lagoons generally use compacted clayey soils as a liner for the bottom and side walls. This material should be scarified thoroughly to avoid creating a perched water basin. The liner soil can also be salvaged for later use as a semi-permeable capping material. Synthetic liners should be completely removed.

Grading:

The lagoon should be filled with compacted layers of clean fill material free of brush, tree roots, and debris (no more than twelve inches deep per layer). Berm walls may be utilized as fill and can be pushed into the fill area. The finished surface of the graded area should be approximately level with surrounding topography, although the center of the graded area should be somewhat elevated to facilitate drainage (one percent or more slope from the elevated portion outward). If significant residual sediment is left behind in the lagoon, the graded area should be capped with at least three inches of slowly permeable soil (clayey texture classification, or hydraulic conductivity of 10^{-5} cm/sec or less) and the lagoon bottom should be covered by at least two feet of fill material.

Seeding and Cover Vegetation:

The graded and all disturbed areas should be properly seeded to produce an erosion resistant vegetative cover. A mixture of rye and fescue grass is often utilized at a rate of approximately 150 pounds per acre. The local agricultural extension agent should be consulted to provide a more precise recommendation. Commercial fertilizer, Class A sewage sludge products, lime, mulch, etc., may have to be applied to help establish an adequate cover. The seeding procedure may have to be repeated until adequate and resistant vegetative cover is established.

Erosion Control:

The closure operation must comply with standard erosion and sediment control procedures typically regulated locally, or through the Department of Conservation and Recreation (DCR).

Deed:

The deed must be amended to indicate that a closed sewage lagoon exists on the property, and should include pertinent information, such as type of wastewater treated, and results of tests performed if any on residue samples. The deed should be registered with the Clerk of the Circuit Court, and a copy of the amended deed will be sent to the area engineer.

Sewage Treatment Works (STW's)

The STW closure procedures should follow the same common sense guidelines as listed above. Steel package plants should be either removed intact or cut into manageable-sized pieces and sold for salvage. The salvaged material should be disinfected before it is sold. Concrete structures should be broken up 2 to 3 feet below grade. Tank bottom should be broken, punctured, or have relief plugs removed. Tanks can be filled with select, clean construction rubble and either crusher run or #57 gravel. The final 2 to 3 feet of cover should be soil.

ATTACHMENT 8

TOXICS MONITORING/TOXICS REDUCTION/ WET LIMIT RATIONALE

8-1

MEMORANDUM

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard Virginia Beach, VA 23462

SUBJECT: Whole Effluent Toxicity (WET) Limit for Perdue Foods LLC

TO: Debbie Thompson

FROM: Deanna Austin DDA

DATE: 9/19/16

COPIES: TRO File

Perdue Foods LLC located in Accomac, VA, processes and renders poultry. The facility has one outfall under the current permit with toxicity monitoring. Outfall 001 discharges treated process wastewater to Parker Creek. This outfall currently has a WET limit of 1.724 TUc.

Data reviewed for outfall 001 is attached to this memo. Due to past history with this outfall for toxicity issues, the monitoring of C.d. at outfall 001 will continue in the renewed permit quarterly.

The following WET language is recommended for the reissuance of the Perdue Foods LLC plant permit (VA0003808).

NPID	OUTFALL	DESCRIPT	SPECIES	DATE	SURVIVAL	NOEC	TU	LAB
VA0003808	001	1st Quarter Acute	C.d.	31-Oct-11	100	100	1	CBI
VA0003808	001	2nd Quarter Acute	C.d.	23-Jan-12	100	100	1	CBI
VA0003808	001	3rd Quarter Acute	C.d.	08-May-12	100	100	1	CBI
VA0003808	001	4th Quarter Acute	C.d.	18-Sep-12	100	100	1	CBI
VA0003808	001	5th Quarter Acute	C.d.	23-Oct-12	100	75	1.33	CBI
VA0003808	001	6th Quarter Acute	C.d.	19-Feb-13	100	100	1	CBI
VA0003808	001	7th Quarter Acute	C.d.	16-Apr-13	100	100	1	CBI
VA0003808	001	8th Quarter Acute	C.d.	22-Jul-13	100	100	1	CBI
VA0003808	001	9th Quarter Acute	C.d.	22-Oct-13	100	100	1	CBI
VA0003808	001	10th Quarter Acute	C.d.	21-Jan-14	100	<17	>5.88	CBI
VA0003808	001	11th Quarter Acute	C.d.	10-Jun-14	100	100	1	CBI
VA0003808	001	12th Quarter Acute	C.d.	15-Sep-14	75	43	2.32	CBI
VA0003808	001	13th Quarter Acute	C.d.	08-Dec-14	100	75	1.33	CBI
VA0003808	001	14th Quarter Acute	C.d.	10-Mar-15	100	75	1.33	CBI
VA0003808	001	15th Quarter Acute	C.d.	15-Jun-15	75	58	1.72	CBI
VA0003808	001	16th Quarter Acute	C.d.	07-Sep-15	100	100	1	CBI
VA0003808	001	17th Quarter Acute	C.d.	08-Dec-15	100	100	1	CBI
VA0003808	001	18th Quarter Acute	C.d.	19-Jan-16	100	100	1	CBI
VA0003808	001	19th Quarter Acute	C.d.	03-May-16	100	100	1	CBI

C. WHOLE EFFLUENT TOXICITY (WET) LIMITATION MONITORING REQUIREMENTS FOR OUTFALL 001

1. The Whole Effluent Toxicity (WET) Limitation in Part I.A. for outfall 001 is a final limit. The limit is:

   Chronic 1,724 TU_c (NOEC $\geq$ 58.0% Effluent)

2. The permittee shall conduct quarterly chronic toxicity tests using 24-hour flow-proportioned composite samples of final effluent from outfall 001. Toxicity samples shall be taken at the same time as the other sampling parameters required in Part I.A. of this permit. The chronic test to use is:

   a. The chronic tests shall be Chronic 3-Brood Static Renewal Survival and Reproduction Test using Ceriodaphnia dubia

      These chronic tests shall be conducted in such a manner and at sufficient dilutions (minimum of five dilutions, derived geometrically) to determine the "No Observed Effect Concentration" (NOEC) for survival and reproduction. The test endpoint (limit) must be represented by a dilution, and if other than 100%, should be bracketed by at least one dilution above and one dilution below it. Express the test NOEC as TU_c (Chronic Toxic Units), by dividing 100/NOEC for DMR reporting. The IC_{25} should be included on the submitted test reports.

   b. One complete copy of the toxicity test results shall be submitted with the DMR. A complete report must contain a copy of all laboratory benchsheets, certificates of analysis, and all chains of custody.

   c. Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

3. The permit may be modified or revoked and reissued to include pollutant specific limits in lieu of a WET limit should it be demonstrated that toxicity is due to specific parameters. The pollutant specific limits must control the toxicity of the effluent.

ATTACHMENT 9

MATERIAL STORED

9-1

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
BACK	BACKEND MAINTENANCE								
CARBON DIOXIDE	CARBON DIOXIDE		No	A14	100000.0000	60000.0000	3000000.0000	LB	365
					100000.0000	60000.0000	3000000.0000	LB	365

Material Inventory Report System - INVENTORY Module 9-2 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
BOILER	BOILER								
ACID STARCH	ACID STARCH INDICATOR POWDER		No	N14	2.0000	0.2000	0.2500	LB	365
CHEMTREAT B-121	CHEMTREAT B-121		No	E14	1000.0000	300.0000	1033.0000	LB	365
B-141	CHEMTREAT B-141		No	E14	900.0000	300.0000	350.0000	LB	365
					1902.0000	600.2000	1383.2500	LB	365
BL-4350	CHEMTREAT BL-4350		No	E14	110.0000	70.0000	175.0000	GA	335
CL4855	CHEMTREAT CL-4855		No	E14	275.0000	165.0000	550.0000	GA	365
					385.0000	235.0000	725.0000	GA	365
TEST REFILLS	CHLORINE DIOXIDE TEST REFILLS		No	M14	120.0000	60.0000	50.0000	MG	365
					120.0000	60.0000	50.0000	MG	365
REAG-CONCUCTIVE	CONDUCTIVITY NEUTRALIZING SOLUTION		No	N14	48.0000	25.0000	112.0000	OZ	365
CRESOL RED INDI	CRESOL RED INDICATOR		No	N14	32.0000	8.0000	16.0000	OZ	365
REA-HARDENESS	HARDNESS BUFFER		No	N14	48.0000	15.0000	32.0000	OZ	365
					128.0000	48.0000	160.0000	OZ	365
HARDNESS POWDER	HARDNESS INDICATOR POWDER		No	N14	2.0000	0.5000	0.2500	LB	365
					2.0000	0.5000	0.2500	LB	365
HARDNESS RE	HARDNESS REAGENT		No	N14	32.0000	10.0000	5.0000	OZ	365
REAG-MOLYBDATE	MOLYBDATE REAGENT SOLUTION		No	N14	160.0000	50.0000	192.0000	OZ	365
PHENOLPHTHALEIN	PHENOLPHTHALEIN INDICATOR		No	N14	32.0000	10.0000	16.0000	OZ	365
POLYMER REACTAT	Polymer Reactant Reagent PT-RR		No	N14	32.0000	16.0000	16.0000	OZ	365
REAGENT-COND ST	REAGENT-CONDUCTIVITY STD 2875 MHOS		No	N14	48.0000	25.0000	112.0000	OZ	365
SILVER NIT SOL	SILVER NITRATE SOLUTIONS,1N and 1N		No	N14	192.0000	128.0000	128.0000	OZ	365
					496.0000	239.0000	469.0000	OZ	365
STANNOUS CHLOR	STANNOUS CHLORIDE POWDER		No	N14	2.0000	0.5000	0.5000	LB	365
					2.0000	0.5000	0.5000	LB	365

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
CHEM STORE	CHEMICAL STORAGE ROOM								
BL8760	CHEMTREAT BL8760		No	E14	60.0000	30.0000	60.0000	GA	365
SAN-I-OX	SAN-I-OX		No	N14	5.0000	5.0000	10.0000	GA	365
					65.0000	35.0000	70.0000	GA	365

Material Inventory Report System - INVENTORY Module 9-4 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
CORTEK TR	CORTEK TRUCK								
A520-FKA-20	A520-FKA-20		No	E14	440.0000	440.0000	440.0000	GA	365
NOROX MEKP-9	NOROX MEKP-9		No	N14	3.0000	3.0000	3.0000	GA	365
					443.0000	443.0000	443.0000	GA	365

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
CAB	FIRE PROOF CABINET								
NITRITE DOSICAP	NITRITE DOSICAPZIP		No	K14	180.0000	90.0000	600.0000	ML	150
					180.0000	90.0000	600.0000	ML	150
VIDEO INK 16842	VIDEOJET INKSOURCE 168420		No	N14	36.0000	36.0000	45.0000	L	365
VIDEOJET INK	VIDEOJET INKSOURCE 168425		No	N14	36.0000	36.0000	324.0000	L	365
					72.0000	72.0000	369.0000	L	365

9-6

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
GARAGE	GARAGE								
ACETYLENE	ACETYLENE		No	L24	248.0000	124.0000	1500.0000	CF	365
					248.0000	124.0000	1500.0000	CF	365
ADHES-BEAD SEAL	ADHESIVE-BEAD SEALER		No	F14	2.0000	1.0000	0.0000	QT	365
VACUUM PUMP OIL	ALL CLIMATE VACUUM PUMP OIL		No	N14	1.8000	1.0000	1.0000	QT	365
					3.8000	2.0000	1.0000	QT	365
ARGON	ARGON		No	L24	672.0000	336.0000	1344.0000	CF	365
					672.0000	336.0000	1344.0000	CF	365
BATTERIES-ALKAL	BATTERIES-ALKALINE		No	R14	6.8000	4.0000	6.0000	G	365
					6.8000	4.0000	6.0000	G	365
BLUE DEF	BLUE DEF		No	O14	330.0000	225.0000	10715.0000	GA	365
CASTROL ANTIFRZ	CASTROL HEAVY DUTY ANTI-FREEZE(SCA)		No	C14	350.0000	200.0000	401.0000	GA	365
CLEAN-POWER PL	CLEANER-POWER PLUS		No	N14	4.0000	2.0000	4.0000	GA	365
					684.0000	427.0000	11140.0000	GA	365
DE-ICER	DE-ICER		No	F14	96.0000	60.0000	60.0000	OZ	365
					96.0000	60.0000	60.0000	OZ	365
DONAX TG FLUID	DONAX TG FLUID		No	N14	25.0000	15.0000	20.0000	GA	365
DURON-E XL	DURON -E XL SYNTHETIC BLEND 15W-40		No	A14	1000.0000	500.0000	2700.0000	GA	365
					1025.0000	515.0000	2720.0000	GA	365
EMGARD	EMGARD 2984-E EP 75W-90 SYN. GEAR		No	D14	600.0000	360.0000	248.0000	LB	365
FE-ABC DRY	FIRE EXTINQUISHER-ABC DRY CHEMICAL		No	L14	260.0000	260.0000	0.0000	LB	365
					860.0000	620.0000	248.0000	LB	365
HS DEEP BASE	INDUSTRIAL ENAMEL HS, DEEP BASE		No	N14	10.0000	10.0000	0.0000	GA	365
					10.0000	10.0000	0.0000	GA	365
INSECT-ZEP MIST	INSECTICIDE-ZEP METER MIST INSECT		No	F14	89.6000	64.0000	19.2000	OZ	365
					89.6000	64.0000	19.2000	OZ	365
BLUE BLASTER	L-1820 BLUE BLASTER DETERGENT		No	E14	110.0000	55.0000	55.0000	GA	365
GASOLINE-UNLEAD	LEAD FREE GAS		No	A14	550.0000	300.0000	3600.0000	GA	365
					660.0000	355.0000	3655.0000	GA	365
FIRE EXTI-MONA	MANAMMONIUM PHOSPHATE-FIRE		No	L14	340.0000	340.0000	0.0000	LB	365
					340.0000	340.0000	0.0000	LB	365
DFUEL	NO. 2 FUEL		No	A14	15000.0000	8000.0000	868110.0000	GA	365
					15000.0000	8000.0000	868110.0000	GA	365
SOLVENT CLEANER	ORANGE SOLVE		No	N14	64.0000	32.0000	768.0000	OZ	365

Material Inventory Report System - INVENTORY Module 9-7 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
GARAGE	GARAGE								
					64.0000	32.0000	768.0000	OZ	365
OXYFUEL	OXYFUEL BRAZING RODS		No	K14	12.0000	8.0000	1.0000	LB	365
					12.0000	8.0000	1.0000	LB	365
OXYGEN	OXYGEN		No	L24	502.0000	300.0000	2259.0000	CF	365
					502.0000	300.0000	2259.0000	CF	365
PRECISION SYN	PRECISION SYNTHETIC		No	D14	240.0000	120.0000	240.0000	LB	365
					240.0000	120.0000	240.0000	LB	365
PRECISION SYN	PRECISION SYNTHETIC		No	R14	1200.0000	700.0000	1200.0000	G	365
					1200.0000	700.0000	1200.0000	G	365
ACRYLIC COATING	PRO INDUSTRIAL MULTI-SURFACE ACCRYLIC		No	N14	8.0000	5.0000	2.0000	GA	365
PROPANE	PROPANE		No	A24	2000.0000	1500.0000	3100.0000	GA	365
REGULAR BLEACH	REGULAR BLEACH		No	N14	10.0000	5.0000	5.0000	GA	365
					2018.0000	1510.0000	3107.0000	GA	365
REPAIR SEALER	REPAIR SEALER		No	F14	2.0000	1.0000	0.0000	PT	365
					2.0000	1.0000	0.0000	PT	365
SPECIAL CEMENT	SPECIAL CEMENT		No	F14	16.0000	12.0000	0.0000	OZ	365
THE WORKS	THE WORKS TOILET BOWL CLEANER		No	N14	192.0000	64.0000	128.0000	OZ	365
					208.0000	76.0000	128.0000	OZ	365
TIRE & TUBE	TIRE & TUBE MOUNTING COMPOUND		No	N14	50.0000	30.0000	34.0000	LB	365
					50.0000	30.0000	34.0000	LB	365
TIRE LUBE	TIRE LUBE CONCENTRATE		No	J14	260.0000	130.0000	130.0000	OZ	365
					260.0000	130.0000	130.0000	OZ	365
USED OIL	USED OIL		No	A14	2550.0000	1000.0000	2550.0000	GA	365
ZEP REACH	ZEP REACH LIQUID HAND CLEANER		No	N14	32.0000	12.0000	32.0000	GA	365
					2582.0000	1012.0000	2582.0000	GA	365

9-8

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
GARAGE REF	GARAGE REFRIGERATOR								
7018 ELECTRODE	7018 WELDING ELECTRODE		No	K14	75.0000	20.0000	50.0000	LB	365
FLEETWELD 5P+	FLEETWELD 5P+		No	K14	100.0000	50.0000	50.0000	LB	365
MUREX 6011C	MUREX 6011C COVERED ELECTRODE		No	K14	100.0000	75.0000	50.0000	LB	365
MUREX 7024	MUREX 7024 ELECTRODE		No	K14	60.0000	25.0000	10.0000	LB	365
S-308L.16N ROD	S-308L.16N , S-308L.17 WELDING RODS		No	K14	10.0000	5.0000	5.0000	LB	365
					345.0000	175.0000	165.0000	LB	365
WELD O	WELD-O		No	N14	64.0000	45.0000	32.0000	OZ	365
					64.0000	45.0000	32.0000	OZ	365

9-9

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
GAR/PT	GARAGE/PARTS ROOM								
WEATHERSTRIP	3M SUPER WEATHERSTRIP AND GASKET		No	N14	20.0000	10.0000	25.0000	OZ	365
SEALANT-CLEAR	732 MULTI-PURPOSE SEALANT, CLEAR		No	N14	181.8000	80.8000	700.0000	OZ	365
ADHE-OATEY HEAV	ADHESIVE-OATEY HEAVY DUTY CLEAR PVC		No	F14	16.0000	8.0000	8.0000	OZ	365
					217.8000	98.8000	733.0000	OZ	365
ANTIFREEZE AIR	AIRBRAKE ANTIFREEZE		No	N14	3.0000	1.5000	0.0000	GA	365
					3.0000	1.5000	0.0000	GA	365
PLUMBERS PUTTY	AST-PUT PLUMBERS PUTTY		No	N14	48.0000	36.0000	0.0000	OZ	365
					48.0000	36.0000	0.0000	OZ	365
TRANSMISSION FL	AUTOMATIC TRANSMISSION FLUID		No	N14	20.0000	10.0000	72.0000	GA	365
					20.0000	10.0000	72.0000	GA	365
BATTERY TERM CL	BATTERY TERMINAL CLEANER		No	F14	11.0000	11.0000	40.0000	OZ	365
CARBURETOR CLEA	CARBURETOR CLEANER		No	F14	192.0000	128.0000	1500.0000	OZ	365
CH&WR ROPE LB	CHAIN & WIRE ROPE LUBE (AEROSOL)		No	F14	24.0000	20.0000	84.0000	OZ	365
					227.0000	159.0000	1624.0000	OZ	365
DOT 3 BRAKE	CHAMPION 1400 SERIES DOT 3 BRAKE		No	N14	1.0000	0.5000	2.0000	GA	365
CLEAN-ZEP ORANG	CLEANER-ZEP BIG ORANGE		No	F14	2.0000	1.0000	0.0000	GA	365
					3.0000	1.5000	2.0000	GA	365
CUTTING OIL CRC	CRC CUTTING OIL (AEROSOL)		No	F14	24.0000	24.0000	48.0000	OZ	365
DEMKOTE GL WH	DEMKOTE GLOSS WHITE		No	N14	530.0000	200.0000	1610.0000	OZ	365
DRANO OPENER	DRANO-ALL PURPOSE DRAIN OPENER		No	N14	96.8000	32.0000	32.0000	OZ	365
					650.8000	256.0000	1690.0000	OZ	365
DRI-TEK	DRI-TEK		No	N14	5.0000	5.0000	0.0000	GA	365
EVAP POW'R C	EVAP POW'R C EVAPORATOR COIL CLEANER		No	N14	0.0000	0.0000	0.0000	GA	0
					5.0000	5.0000	0.0000	GA	365
FREON 134A	FREON 134A		No	L14	60.0000	40.0000	135.0000	LB	365
FREON 22	FREON 22 FLUOROCARBON		No	L14	100.0000	100.0000	0.0000	LB	365
					160.0000	140.0000	135.0000	LB	365
AMSOIL SPRAY	HIGH TEMPERATURE MP SYNTHETIC LITHIUM		No	F14	283.0000	283.0000	0.0000	OZ	365
					283.0000	283.0000	0.0000	OZ	365
HIGHWAY FUSEES	HIGHWAY FUSEES		No	R14	45.0000	25.0000	107.0000	LB	365
					45.0000	25.0000	107.0000	LB	365
INSECT-TOTAL	INSECTICIDE-TOTAL RELEASE INSECT BOMB		No	F14	120.0000	60.0000	108.0000	OZ	365
					120.0000	60.0000	108.0000	OZ	365
KIDDE DRY	KIDDE REGULAR DRY CHEMICAL - FIRE		No	L24	60.0000	40.0000	150.0000	LB	365

Material Inventory Report System - INVENTORY Module 9-10

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
GAR/PT	GARAGE/PARTS ROOM								
					60.0000	40.0000	150.0000	LB	365
LACQUER THINNE	LACQUER THINNER		No	F14	1.0000	0.5000	0.5000	GA	365
					1.0000	0.5000	0.5000	GA	365
LEAD ACID BATT	LEAD ACID BATTERY WET, FILLED WITH		No	R14	293.0000	293.0000	0.0000	LB	365
					293.0000	293.0000	0.0000	LB	365
LECTRA CLEAN	LECTRA CLEAN		No	F14	32.0000	16.0000	32.0000	OZ	365
THREADLOCKER-LO	LOCTITE 271 THREADLOCKER STUD N		No	N14	0.2000	0.2000	0.2000	OZ	365
SEAL-GASKET	LOCTITE PERMATEX AVIATION		No	N14	4.0000	3.0000	4.0000	OZ	365
LUBRIPLATE 100	LUBRIPLATE 100 SERIES (MOTOR ASSEMBLY		No	N14	7.0000	5.2500	7.0000	OZ	365
NEVER SEEZ	NEVER SEEZ REGULAR GRADE		No	F14	8.0000	8.0000	8.0000	OZ	365
					51.2000	32.4500	51.2000	OZ	365
PEAK -20 WASH	PEAK -20 DEGREE WASH		No	N14	24.0000	18.0000	425.0000	GA	365
					24.0000	18.0000	425.0000	GA	365
PENCOOL-2000	PENCOOL 200016 COOLING TREATMENT		No	N14	256.0000	256.0000	0.0000	OZ	365
PENRAY NF2088	PENRAY NEED RELEASE FILTER NF2088		No	F14	16.0000	16.0000	64.0000	OZ	365
PENRAY NF2091	PENRAY NEED RELEASE FILTER NF2091		No	F14	16.0000	16.0000	16.0000	OZ	365
					288.0000	288.0000	80.0000	OZ	365
PENZOIL HD SAE	PENZOIL HD SAE MOTOR OIL - ALL		No	N14	12.0000	6.0000	24.0000	QT	365
PENZOIL 5W20	PENZOIL MULTIGRADE MOTOR OIL SAE 5W20		No	N14	24.0000	18.0000	60.0000	QT	365
					36.0000	24.0000	84.0000	QT	365
REFRIG 404A	REFRIGERANT 404A		No	L14	60.0000	60.0000	0.0000	LB	365
					60.0000	60.0000	0.0000	LB	365
RUST TOUGH	RUST TOUGH , RUST PREVENTIVE ENAMEL		No	F14	120.0000	120.0000	330.0000	OZ	365
SLIC-TITE	SLIC-TITE PASTE WITH TEFLON		No	N14	8.0000	8.0000	16.0000	OZ	365
					128.0000	128.0000	346.0000	OZ	365
STANADYNE	STANADYNE DIESEL FUEL ADDITIVE		No	N14	6.0000	4.0000	0.0000	QT	365
					6.0000	4.0000	0.0000	QT	365
START FLUID	STARTING FLUID (SPRAY)		No	F14	128.0000	88.0000	128.0000	OZ	365
SUPER LUBE	SUPER LUBE MULTI-PURPOSE		No	F14	216.0000	162.0000	2600.0000	OZ	365
ZEP FRONTIER	ZEP FRONTIER ODORSTROYER		No	F14	64.6000	24.0000	0.0000	OZ	365
					408.6000	274.0000	2728.0000	OZ	365

Material Inventory Report System - INVENTORY Module

9-11

INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
JAN SUPPLY	JANITORIAL SUPPLY								
EXPOSE II 256	EXPOSE II 256		No	N14	9.0000	9.0000	72.0000	L	365
GLANCE	GLANCE		No	N14	3.0000	3.0000	24.0000	L	365
					12.0000	12.0000	96.0000	L	365
HIGH MILEAGE	HIGH MILEAGE FLOOR FINISH		No	R14	5.0000	5.0000	12.0000	GA	365
J-WORKS HURR	J-WORKS HURRICANE FORCE		No	E14	55.0000	55.0000	330.0000	GA	365
PRO STRIP	PRO STRIP FLOOR STRIPPER		No	R14	5.0000	5.0000	30.0000	GA	365
					65.0000	65.0000	372.0000	GA	365
SPITFIRE	SPITFIRE RTU POWER CLEANER		No	N14	6.0000	6.0000	72.0000	L	365
					6.0000	6.0000	72.0000	L	365
SS POLISH	STAINLESS STEEL POLISH		No	N14	192.0000	192.0000	4608.0000	OZ	365
					192.0000	192.0000	4608.0000	OZ	365
STRIDE CITRUS	STRIDE CITRUS SC (SUPER CONCENTRATE)		No	N14	3.0000	3.0000	24.0000	L	365
					3.0000	3.0000	24.0000	L	365

9-12

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
LIVE	LIVE HAUL								
ACETYLENE	ACETYLENE		No	L24	300.0000	300.0000	2700.0000	LB	365
OXYGEN	OXYGEN		No	C24	42.0000	42.0000	378.0000	LB	365
					342.0000	342.0000	3078.0000	LB	365

9-13

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
LH/SS	LIVE HAUL/STORAGE SHED								
VIRKON S	VIRKON (R) S		No	N14	200.0000	120.0000	480.0000	LB	365
					200.0000	120.0000	480.0000	LB	365

9-14

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
MAINT	MAINTENANCE								
ACCU-TAB	ACCU-TAB SI CALCIUM HYPOCHLORITE		No	N14	2460.0000	1640.0000	0.0000	LB	365
					2460.0000	1640.0000	0.0000	LB	365
BEL-RAY ANTI-WR	Bel-Ray No-Tox Anti-Wear Lubricant 10		No	D14	1100.0000	55.0000	55.0000	GA	365
BREAKDOWN	BREAKDOWN		No	N14	100.0000	100.0000	500.0000	GA	365
QUICKLIME	DOLOMITIC QUICKLIME		No	D14	75.0000	35.0000	93.0000	GA	365
					1275.0000	190.0000	648.0000	GA	365

9-15

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
PLANTWIDE	PLANTWIDE								
JACK BATTERY LD	JACK BATTERY - LEAD		No	R14	145800.0000	145800.0000	0.0000	LB	365
JACK BATTERY AC	JACK BATTERY - SULFURIC ACID		No	R14	1410.0000	1410.0000	0.0000	LB	365
					147210.0000	147210.0000	0.0000	LB	365
ZEP AIR FAIR	ZEP AIR FAIR BLUE SKY		No	F14	512.0000	256.0000	0.0000	OZ	365
					512.0000	256.0000	0.0000	OZ	365

Material Inventory Report System - INVENTORY Module 9-16 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
PORT BOILR	PORTABLE BOILER								
DFUEL LOW SULFR	DIESEL FUEL #2 LOW SULFUR		No	R14	1000.0000	700.0000	50000.0000	GA	365
					1000.0000	700.0000	50000.0000	GA	365

9-17

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
QA	QA LAB								
DETERGENT ALCO	ALCONOX DETERGENT		No	M14	12.0000	12.0000	12.0000	LB	365
					12.0000	12.0000	12.0000	LB	365
BUFF SOL RED	BUFFER SOLUTION (PH 4.00)-RED		No	N14	2000.0000	1500.0000	600.0000	ML	365
BUFFER SOL 10	BUFFER SOLUTION PH 10, BLUE		No	N14	2000.0000	1500.0000	600.0000	ML	365
					4000.0000	3000.0000	1200.0000	ML	365
BUFFER 2.0	BUFFER SOLUTION PH 2.0		No	N14	2.0000	1.0000	2.0000	L	365
					2.0000	1.0000	2.0000	L	365
BUFFER SOL 7.0	BUFFER SOLUTION PH 7.0 COLOR CODED		No	N14	8.3000	8.3000	4.2000	LB	365
					8.3000	8.3000	4.2000	LB	365
BUF SOL 9-11	BUFFER SOLUTIONS PH 9.0 TO 11.0		No	N14	2.0000	1.5000	6.0000	L	365
CHLORINE REAGEN	CHLORINE REAGENT NO. 2		No	N14	1.8800	1.4000	5.6400	L	365
					3.8800	2.9000	11.6400	L	365
EDTA DISODIUM	EDTA DISODIUM 0.5M SOLUTION REAGENT		No	M14	1000.0000	700.0000	1000.0000	G	365
					1000.0000	700.0000	1000.0000	G	365
ETHYL ALCOHOL	ETHYL ALCOHOL, DENATURED		No	M14	4.0000	3.0000	2.0000	L	365
HYDROCHL AC .01	HYDROCHLORIC ACID 0.01 TO 3. CN		No	M14	4.0000	1.5000	10.0000	L	365
					8.0000	4.5000	12.0000	L	365
HYDROCHLORIC A	HYDROCHLORIC ACID, 36-37%		No	M14	2.0000	2.0000	0.0000	LB	365
					2.0000	2.0000	0.0000	LB	365
HYDROXYNAP BLUE	HYDROXYNAPHTHOL BLUE		No	M14	550.0000	250.0000	250.0000	G	365
					550.0000	250.0000	250.0000	G	365
IODINE SOLUTION	IODINE SOLUTION,0.02N		No	N14	0.6000	0.5000	0.0000	LB	365
					0.6000	0.5000	0.0000	LB	365
NC-123 PLUS	NC-123 PLUS AEROSOL		No	E14	22.0000	11.0000	64.0000	OZ	365
					22.0000	11.0000	64.0000	OZ	365
PHENO SOLUTIONS	PHENOLPHTHALEIN SOLUTIONS, ALCOHOLIC		No	M14	2.0000	1.0000	0.0000	L	365
					2.0000	1.0000	0.0000	L	365
PHOSPHORIC ACID	PHOSPHORIC ACID		No	E14	1000.0000	1000.0000	1000.0000	ML	365
					1000.0000	1000.0000	1000.0000	ML	365
POTASSIUM HYD	POTASSIUM HYDROXIDE		No	N14	18.0000	10.0000	30.0000	LB	365
					18.0000	10.0000	30.0000	LB	365
POTASSIUM IODI	POTASSIUM IODIDE		No	N14	2000.0000	1000.0000	2000.0000	G	365

9-18

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
QA	QA LAB								
					2000.0000	1000.0000	2000.0000	G	365
POTASSIUM IODI	POTASSIUM IODIDE		No	N14	2000.0000	2000.0000	2000.0000	ML	365
					2000.0000	2000.0000	2000.0000	ML	365
SODIUM THIOSULF	SODIUM THIOSULFATE		No	N14	2.0000	1.2000	3.0000	L	365
					2.0000	1.2000	3.0000	L	365
SODIUM THIO	SODIUM THIOSULFATE STANDARD SOLUTION,		No	N14	1.2000	0.9000	0.6000	LB	365
					1.2000	0.9000	0.6000	LB	365
STARCH INDICA	STARCH INDICATOR		No	N14	2000.0000	1750.0000	2000.0000	ML	365
					2000.0000	1750.0000	2000.0000	ML	365
STARCH INDICATR	STARCH INDICATOR, 0.1 - 2.0 AQUEOUS		No	N14	80.0000	60.0000	240.0000	OZ	365
SULF ACID 10N	SULFURIC ACID 10 NORMAL AQUEOUS		No	N14	80.0000	60.0000	240.0000	OZ	365
					160.0000	120.0000	480.0000	OZ	365
SULFRIC ACID 2.	SULFURIC ACID 2.01 - 14.0 N		No	N14	2000.0000	1500.0000	4000.0000	ML	365
					2000.0000	1500.0000	4000.0000	ML	365
ZEP-I-DINE	Zep-I-Dine		No	N14	7.0000	4.0000	24.0000	GA	365
					7.0000	4.0000	24.0000	GA	365

9-19

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
QA OFFICE	QA OFFICE								
QUATCIDE	QUATCIDE		No	N14	1.0000	1.0000	4.0000	GA	365
					1.0000	1.0000	4.0000	GA	365

Material Inventory Report System - INVENTORY Module 9-20 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
RECYCLE	RECYCLE AREA								
USED OIL	USED OIL		No	E14	220.0000	220.0000	0.0000	GA	365
USED OIL	USED OIL		No	D14	250.0000	250.0000	0.0000	GA	365
USED OIL	USED OIL		No	A14	55.0000	55.0000	0.0000	GA	365
					525.0000	525.0000	0.0000	GA	365

Material Inventory Report System - INVENTORY Module 9-21 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
REFRIG	REFRIGERATION								
AA	ANHYDROUS AMMONIA		No	A24	72000.0000	69300.0000	0.0000	LB	365
CARBON DIOXIDE	CARBON DIOXIDE		No	A14	50000.0000	25000.0000	2860000.0000	LB	365
ETHYLENE GLYCOL	ETHYLENE GLYCOL		No	D14	511.7000	511.7000	1023.5000	LB	365
					122511.7000	94811.7000	2861023.5000	LB	365
EXTEND (R) RUST	EXTEND (R) RUST TREATMENT IND. GRADE		No	N14	4.0000	2.0000	2.0000	GA	365
					4.0000	2.0000	2.0000	GA	365
FREON 22	FREON 22 FLUOROCARBON		No	L14	30.0000	15.0000	120.0000	LB	365
					30.0000	15.0000	120.0000	LB	365
6RFUEL	NO. 6 FUEL OIL		No	A14	20000.0000	20000.0000	992100.0000	GA	365
					20000.0000	20000.0000	992100.0000	GA	365
PHOSPHORIC ACID	PHOSPHORIC ACID		No	E14	1453.9000	727.0000	2180.9000	LB	365
REFRIG 404A	REFRIGERANT 404A		No	L14	30.0000	30.0000	10.0000	LB	365
					1483.9000	757.0000	2190.9000	LB	365

Material Inventory Report System - INVENTORY Module 9-22 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
REF/BR	REFRIGERATION/BOILER ROOM								
BL 1553	CHEMTREAT BL 1553		No	E14	55.0000	45.0000	110.0000	GA	365
FRICK NG#3 OIL	FRICK NG #3 OIL		No	D14	1600.0000	800.0000	2400.0000	GA	365
					1655.0000	845.0000	2510.0000	GA	365

9-23

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
SANI	SANITATION								
320	320 POWDER		No	E14	2000.0000	300.0000	1560.0000	LB	365
					2000.0000	300.0000	1560.0000	LB	365
PENETREX	PENETREX		No	C14	400.0000	100.0000	2600.0000	GA	365
PROCHLOR	PROCHLOR		No	C14	1600.0000	200.0000	6760.0000	GA	365
PROPHOS	PROPHOS		No	E14	55.0000	55.0000	125.0000	GA	365
PROPLUS	PROPLUS		No	C14	800.0000	125.0000	5200.0000	GA	365
PROSOLV	PROSOLV CLEANING LIQUID		No	C14	1600.0000	325.0000	14000.0000	GA	365
Z DYNACHLOR	Z DYNACHLOR		No	C14	2000.0000	250.0000	6760.0000	GA	365
					6455.0000	1055.0000	35445.0000	GA	365

Material Inventory Report System - INVENTORY Module 9-24 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
SECOND	SECOND PROCESSING MAINTENANCE								
CHLORINE	CHLORINE		No	L24	110.0000	110.0000	9150.0000	LB	365
OIL-RANDO HD 68	OIL-RANDO 1659 OIL HD 68		No	C14	7356.5000	7356.5000	3678.3000	LB	365
					7466.5000	7466.5000	12828.3000	LB	365

9-25

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
SUPPLY	SUPPLY								
155 FG	155 FG CHAIN/CONVEYOR SYSTEM		No	R14	55.0000	55.0000	3000.0000	GA	365
					55.0000	55.0000	3000.0000	GA	365
AEON-PD-FG	AEON-PD-FG		No	N14	17.0000	8.0000	0.0000	QT	365
					17.0000	8.0000	0.0000	QT	365
HD HYD OIL 22	BEL-RAY NO-TOX HD HYD OIL 22		No	E14	5.0000	5.0000	40.0000	GA	365
HD HYD OIL 22	BEL-RAY NO-TOX HD HYD OIL 22		No	D14	110.0000	110.0000	0.0000	GA	365
NOTOX HD OIL46	BEL-RAY NO-TOX HD HYD OIL 46		No	D14	165.0000	110.0000	3300.0000	GA	365
COMP LUBE 68	BEL-RAY SCI COMPRESSOR LUBE 68		No	O14	5.0000	5.0000	50.0000	GA	365
					285.0000	230.0000	3390.0000	GA	365
CABLE CLEAN	CABLE CLEAN (AEROSOL) #2069		No	F14	60.1000	34.7000	0.0000	LB	365
CHEM-PAK CUT	CHEMPAK (CUT EASE) CUTTING OIL		No	F14	534.0000	200.3000	734.3000	LB	365
					594.1000	235.0000	734.3000	LB	365
CHLOR-A-FOAM	CHLOR-A-FOAM TRAY WASH		No	I14	165.0000	100.0000	2255.0000	GA	365
					165.0000	100.0000	2255.0000	GA	365
CINN-LUBE FGMPA	CINN-LUBE FG MPA (AEROSOL)		No	F14	24.0000	12.0000	12.0000	LB	365
CITRIC ACID	CITRIC ACID		No	E14	5000.0000	4000.0000	587480.0000	LB	365
CLEAN-CRC CONTA	CLEANER-CRC CONTACT CLEANER #3070		No	F14	53.0000	30.0000	223.0000	LB	365
CLEAN-FLASH	CLEANER-FLASH OVEN & GRILL CLEANER		No	F14	62.0000	26.0000	113.0000	LB	365
CLEAN-POWER PL	CLEANER-POWER PLUS		No	N14	199.6000	130.2000	0.0000	LB	365
CLEAN-SOOTHO HA	CLEANER-SOOTHO LOTIONIZED HAND		No	R14	13.5000	6.7000	0.0000	LB	365
CLEAN-WINDEX	CLEANER-WINDEX GLASS CLEANER BLUE		No	N14	90.9000	49.6000	0.0000	LB	365
CUTTING FLUID	CUTTING FLUID-TAP MAGIC		No	F14	51.7000	25.9000	0.0000	LB	365
DOW SEALANT	DOW MULTI-PURPOSE SEALANT-CLEAR		No	R14	90.3000	62.5000	0.0000	LB	365
					5585.0000	4342.9000	587828.0000	LB	365
FABRA-BLUE	FABRA-BLUE LIQUID DETERGENT		No	T14	60.0000	30.0000	900.0000	GA	365
					60.0000	30.0000	900.0000	GA	365
FLUSHING SOL	FLUSHING SOLVENT		No	F14	74.3000	49.6000	0.0000	LB	365
					74.3000	49.6000	0.0000	LB	365
FRICK NG#3 OIL	FRICK NG #3 OIL		No	D14	165.0000	110.0000	1650.0000	GA	365
					165.0000	110.0000	1650.0000	GA	365
GREASE-CHEVRON	GREASE-CHEVRON SRI GREASE 2		No	O14	25.0000	11.0000	0.0000	LB	365
GREASE-MYSTIC J	GREASE-MYSTIK JT-6 MULTI-PURPOSE		No	R14	42.9000	21.9000	0.0000	LB	365
GREASE-REXLUBE	GREASE-REXLUBE B-2		No	R14	17.3000	12.0000	0.0000	LB	365
					85.2000	44.9000	0.0000	LB	365
GREASEX	GREASEX		No	E14	70.0000	55.0000	500.0000	GA	365
					70.0000	55.0000	500.0000	GA	365

9-26

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
SUPPLY	SUPPLY								
LOCTITE 7649	LOCTITE 7649 PRIMER N		No	F14	27.0000	13.0000	0.0000	OZ	365
SEALANT-PST	LOCTITE PST PIPE SEALANT WITH TEFLON		No	N14	58.0000	35.0000	0.0000	OZ	365
THREADLOCK 242	LOCTITE REMOVABLE THREADLOCKER 242		No	N14	11.0000	5.0000	0.0000	OZ	365
					96.0000	53.0000	0.0000	OZ	365
LUBE-CHAIN &	LUBE-CHAIN & CABLE FLUID LUBRIPLATE		No	D14	90.0000	60.0000	0.0000	LB	365
					90.0000	60.0000	0.0000	LB	365
MICROTOX 5P	MICROTOX 5P		No	O14	4240.0000	3445.0000	3180.0000	GA	365
MICROTOX 5P	MICROTOX 5P		No	R14	5000.0000	4000.0000	46400.0000	GA	365
					9240.0000	7445.0000	49580.0000	GA	365
OIL-MINERAL	MINERAL OIL		No	R14	5.2000	5.0000	50.0000	LB	365
					5.2000	5.0000	50.0000	LB	365
NC-123 PLUS	NC-123 PLUS AEROSOL		No	F14	209.0000	111.0000	198.0000	OZ	365
					209.0000	111.0000	198.0000	OZ	365
NEUTRACHILL	NEUTRACHILL		No	O14	1375.0000	825.0000	0.0000	GA	365
					1375.0000	825.0000	0.0000	GA	365
OIL-OUTBOARD	OIL-HAVOLINE 1596 OUTBOARD 2-CYCLE		No	N14	12.6000	5.2000	0.0000	LB	365
					12.6000	5.2000	0.0000	LB	365
OIL-PENETR	OIL-PENETRATING		No	F14	276.0000	132.0000	1176.0000	OZ	365
					276.0000	132.0000	1176.0000	OZ	365
SOLVENT CLEANER	ORANGE SOLVE		No	N14	157.2000	94.9000	0.0000	LB	365
PAINT-ZINC HARD	PAINT-HARD HAT ZINC-RICH COATINGS		No	F14	237.8000	130.2000	0.0000	LB	365
					395.0000	225.1000	0.0000	LB	365
PENETREX	PENETREX		No	E14	55.0000	55.0000	0.0000	GA	365
					55.0000	55.0000	0.0000	GA	365
REFRIG 404A	REFRIGERANT 404A		No	L14	48.0000	48.0000	24.0000	LB	365
					48.0000	48.0000	24.0000	LB	365
RUSTSOLVO	RUSTSOLVO		No	F14	3.7000	1.5000	12.7000	GA	365
					3.7000	1.5000	12.7000	GA	365
SANOVA SAS 10%	SANOVA SAS 10%		No	E14	5000.0000	4000.0000	46440.0000	LB	365
25% SODIUM	SODIUM CHLORITE SOLUTION 25%		No	E14	5000.0000	4000.0000	229620.0000	LB	365
					10000.0000	8000.0000	276060.0000	LB	365
SUPERSAS	SUPERSAS		No	E14	6000.0000	3710.0000	22260.0000	GA	365
USED OIL	USED OIL		No	A14	250.0000	125.0000	500.0000	GA	365

9-27

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
SUPPLY	SUPPLY								
					6250.0000	3835.0000	22760.0000	GA	365
VIDEO INKSOURCE	VIDEOJET INKSOURCE (ALL)		No	N14	122.0000	74.0000	0.0000	L	365
					122.0000	74.0000	0.0000	L	365
Z DYNACHLOR	Z DYNACHLOR		No	E14	30.0000	30.0000	100.0000	GA	365
ZEP-I-DINE	Zep-I-Dine		No	N14	40.0000	20.0000	400.0000	GA	365
					70.0000	50.0000	500.0000	GA	365

9-28

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
TIRE BAY	TIRE BAY & NORTH WALL								
TRAXON E	TRAXON E SYNTHETIC CD-50 TRANSMISSION		No	D14	110.0000	75.0000	55.0000	GA	365
					110.0000	75.0000	55.0000	GA	365
TRAXON	TRAXON XL SYNTHETIC BLEND 75W-90,		No	D14	360.0000	175.0000	480.0000	LB	365
					360.0000	175.0000	480.0000	LB	365

9-29

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
WW	WASTEWATER								
SULFURIC ACID	.02N SULFURIC ACID		No	N14	13.4000	6.7000	25.9000	LB	365
ACID REAGENT	ACID REAGENT		No	N14	77.1000	77.1000	176.8000	LB	365
DETERGENT ALCO	ALCONOX DETERGENT		No	K14	24.0000	12.0000	144.0000	LB	365
ALKALINE IODIDE	ALKALINE IODIDE SODIUM AZIDE SOLUTION		No	M14	16.3000	10.0000	80.1000	LB	365
AXFLOC AF-142	AXFLOC AF-142		No	D14	1350.0000	1350.0000	1350.0000	LB	30
					1480.8000	1455.8000	1776.8000	LB	365
AXFLOC AF4880GR	AXFLOC AF-4880GR		No	O14	1060.0000	530.0000	34450.0000	GA	210
					1060.0000	530.0000	34450.0000	GA	210
AXPAC 2350	AXPAC 2350		No	O14	30750.0000	12300.0000	47000.0000	LB	30
BG MAX 3000	BG MAX 3000		No	R14	350.0000	350.0000	1000.0000	LB	210
CHEM B-120	CHEMTREAT B-120		No	E14	500.0000	400.0000	0.0000	LB	365
B-141	CHEMTREAT B-141		No	E14	300.0000	300.0000	0.0000	LB	365
					31900.0000	13350.0000	48000.0000	LB	365
CHEM BL-4356	CHEMTREAT BL-4356		No	C14	55.0000	40.0000	55.0000	GA	365
					55.0000	40.0000	55.0000	GA	365
QUICKLIME	DOLOMITIC QUICKLIME		No	H14	64000.0000	32000.0000	0.0000	LB	365
REAGENT DPD FRE	DPD FREE CHLORINE REAGENT		No	J14	8.0000	8.0000	20.0000	LB	365
REAGENT-DPD	DPD TOTAL CHLORINE REAGENT		No	R14	500.0000	500.0000	0.0000	LB	365
ELECTRODE STORA	ELECTRODE STORAGE SOLUTION		No	N14	13.4000	6.7000	79.3000	LB	365
GLUTAMIC ACID	GLUTAMIC ACID		No	M14	2.5000	1.0000	5.0000	LB	365
					64523.9000	32515.7000	104.3000	LB	365
GLYCERINE	GLYCERINE		No	A14	8000.0000	6000.0000	0.0000	GA	365
					8000.0000	6000.0000	0.0000	GA	365
HYDROCHLORIC A	HYDROCHLORIC ACID, 36-37%		No	M14	8.0000	4.0000	31.0000	LB	365
					8.0000	4.0000	31.0000	LB	365
INTERPAC 309	INTERPAC 309 - ALUMINUM CHLORIDE,		No	A14	6000.0000	4500.0000	348000.0000	GA	150
					6000.0000	4500.0000	348000.0000	GA	150
MOBIL VAC OIL	MOBIL VACUUM PUMP OIL		No	N14	16.7000	16.7000	16.7000	LB	365
REAGENT-PHENO	PHENOLPHTHALEIN INDICATOR-REAGENT		No	N14	2.2000	1.1000	13.3000	LB	365
					18.9000	17.8000	30.0000	LB	365
POLY-LIME	POLY-LIME (lime slurry)		No	A14	7000.0000	4500.0000	36000.0000	GA	365
POLYALUMINUM CH	POLYALUMINUM CHLORIDE SOLUTION		No	C14	4100.0000	4100.0000	0.0000	GA	365
					11100.0000	8600.0000	36000.0000	GA	365
QAC STD SOL	QAC STANDARD SOLUTION, 100 MG/L AS		No	N14	200.0000	100.0000	100.0000	ML	365
					200.0000	100.0000	100.0000	ML	365

9-30

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
WW	WASTEWATER								
SODI BISULFI	SODIUM BISULFITE SOLUTIONS		No	C14	900.0000	900.0000	500.0000	GA	365
					900.0000	900.0000	500.0000	GA	365
SODIUM CARBONAT	SODIUM CARGONATE		No	N14	2.2000	1.1000	2.2000	LB	365
SODIUM HY	SODIUM HYDROXIDE		No	M14	21780.0000	14520.0000	59400.0000	LB	365
					21782.2000	14521.1000	59402.2000	LB	365
SODIUM HYPO	SODIUM HYPOCHLORITE BLEACH	12.5%-15%	No	E14	6000.0000	3500.0000	22000.0000	GA	365
					6000.0000	3500.0000	22000.0000	GA	365
SODIUM THIOSU	SODIUM THIOSULFATE PENT		No	M14	1.0000	1.0000	0.0000	LB	365
					1.0000	1.0000	0.0000	LB	365
SOLUJET	SOLUJET		No	N14	6.0000	4.0000	8.0000	GA	150
					6.0000	4.0000	8.0000	GA	150
STARCH INDICA	STARCH INDICATOR		No	N14	10.0000	6.7000	25.9000	LB	365
SUL ACID 77-100	SULFURIC ACID 77-100% (77-100%)		No	M14	61.7000	32.4000	185.2000	LB	365
					71.7000	39.1000	211.1000	LB	365
ZEP LIME REMOV	ZEP LIME REMOVER		No	R14	10.0000	5.0000	10.0000	GA	365
					10.0000	5.0000	10.0000	GA	365

Material Inventory Report System - INVENTORY Module 9-31 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
W PLT OFF	WASTEWATER PLANT OFFICE								
SCOTCH-WELD	SCOTCH-WELD HOT MELT ADHESIVE 3762-AE		No	J14	24.0000	24.0000	24.0000	LB	175
					24.0000	24.0000	24.0000	LB	175

Material Inventory Report System - INVENTORY Module 9-32 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
WW LAB	WW LAB								
AMM CYANURATE	AMMONIA CYANURATE REAGENT		No	R14	1.0000	1.0000	2.0000	LB	365
					1.0000	1.0000	2.0000	LB	365
AMMONIA, EL FIL	AMMONIA ELECTRODE FILLING SOLUTION		No	N14	500.0000	500.0000	1000.0000	ML	365
AMMONIA NITRO S	AMMONIA NITROGEN STANDARD		No	N14	2000.0000	1500.0000	6000.0000	ML	365
AMMONIA PH	AMMONIA PH ADJUSTING ISA		No	N14	1000.0000	500.0000	5000.0000	ML	365
					3500.0000	2500.0000	12000.0000	ML	365
AMM SALICYLATE	AMMONIA SALICYLATE REAGENT		No	R14	1.0000	1.0000	2.0000	LB	365
					1.0000	1.0000	2.0000	LB	365
AMVER TEST	AMVER HIGH RANGE AMMONIA TEST 'N TUBE		No	R14	2000.0000	2000.0000	8000.0000	ML	365
BOD	BOD NUTRIENT BUFFER PILLOWS		No	N14	150.0000	100.0000	600.0000	ML	365
					2150.0000	2100.0000	8600.0000	ML	365
BOD	BOD NUTRIENT BUFFER PILLOWS		No	K14	100.0000	50.0000	150.0000	MG	365
					100.0000	50.0000	150.0000	MG	365
BUFFER SOL 10	BUFFER SOLUTION PH 10, BLUE		No	N14	96.0000	64.0000	64.0000	OZ	365
BUFFER SOL PH 4	BUFFER SOLUTION PH 4		No	N14	96.0000	64.0000	64.0000	OZ	365
BUFFER SOL 7	BUFFER SOLUTION PH 7		No	N14	96.0000	64.0000	64.0000	OZ	365
					288.0000	192.0000	192.0000	OZ	365
CITRANOX	CITRANOX		No	N14	2.0000	1.0000	3.0000	GA	365
					2.0000	1.0000	3.0000	GA	365
DRIERITE	DRIERITE-REGULAR		No	M14	15.0000	10.0000	35.0000	LB	365
					15.0000	10.0000	35.0000	LB	365
EC MEDIUM	EC MEDIUM		No	K14	3000.0000	3000.0000	3500.0000	ML	365
					3000.0000	3000.0000	3500.0000	ML	365
EC MEDIUM TEST	EC MEDIUM/FECAL TEST		No	K14	3.0000	3.0000	6.0000	LB	365
					3.0000	3.0000	6.0000	LB	365
HIGH RANGE COD	HIGH RANGE PLUS COD REAGENT		No	M14	4000.0000	3000.0000	3120.0000	ML	365
LAURYL SULF BRO	LAURYL SULFATE BROTH		No	K14	3000.0000	3000.0000	3500.0000	ML	365
					7000.0000	6000.0000	6620.0000	ML	365
MOLYBDOVANADATE	MOLYBDOVANADATE REAGENT		No	N14	12.0000	6.0000	12.0000	L	120
					12.0000	6.0000	12.0000	L	120
NITRATE HR TNT	NITRATE HR TNT RGT A		No	R14	180.0000	90.0000	600.0000	ML	150
NITRAVER X TEST	NITRAVER X TEST 'N TUBE REAGENT		No	R14	2000.0000	2000.0000	2000.0000	ML	365
NITRAVERE 5 REA	NITRAVERE 5 NITRATE REAGENT		No	K14	150.0000	75.0000	100.0000	ML	365
NITRITE DOSICAP	NITRITE DOSICAPZIP		No	K14	180.0000	90.0000	600.0000	ML	150

9-33

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
WW LAB	WW LAB								
					2510.0000	2255.0000	3300.0000	ML	365
NITRIVERE 2 NIT	NITRIVERE 2 NITRITE REAGENT		No	N14	6.0000	3.0000	6.0000	MG	365
					6.0000	3.0000	6.0000	MG	365
AMM NIT SOL 10	NITROGEN, AMMONI STANDARD SOL 10 MG/L		No	N14	500.0000	500.0000	500.0000	ML	365
O2 PROBE	O2 PROBE SOLUTION		No	M14	200.0000	200.0000	150.0000	ML	365
					700.0000	700.0000	650.0000	ML	365
PHENYLARSINE	PHENYLARSINE OXIDE SOLUTIONS		No	M14	3.0000	3.0000	20.0000	L	365
					3.0000	3.0000	20.0000	L	365
PHOSPHORUS A	PHOSPHORUS LR TNT REAGENT A		No	K14	2.0000	2.0000	10.0000	LB	365
PHOSPHORUS B	PHOSPHORUS LR TNT REAGENT B		No	K14	2.0000	2.0000	10.0000	LB	365
PHOSPHORUS C	PHOSPHORUS LR TNT REAGENT C		No	K14	2.0000	2.0000	10.0000	LB	365
					6.0000	6.0000	30.0000	LB	365
PHOSPHORUS R	PHOSPHORUS LR TNT REAGENT R		No	K14	125.0000	125.0000	500.0000	ML	365
					125.0000	125.0000	500.0000	ML	365
PHOSVER	PHOSVER 3 PHOSPHATE REAGENT		No	J14	8.0000	6.0000	8.0000	LB	365
					8.0000	6.0000	8.0000	LB	365
POLYSEED	POLYSEED		No	N14	50.0000	50.0000	150.0000	MG	365
					50.0000	50.0000	150.0000	MG	365
POTASSIUM IODI	POTASSIUM IODIDE		No	N14	500.0000	500.0000	1500.0000	G	365
					500.0000	500.0000	1500.0000	G	365
POTASSIUM PERS	POTASSIUM PERSULFATE POWDER PILLOWS		No	J14	8.0000	6.0000	8.0000	LB	365
					8.0000	6.0000	8.0000	LB	365
QAC REAGENT 1	QAC REAGENT 1 POWDER PILLOWS		No	J14	24.0000	12.0000	12.0000	OZ	365
QAC REAGENT 2	QAC REAGENT 2 POWDER PILLOWS		No	J14	24.0000	12.0000	12.0000	OZ	365
					48.0000	24.0000	24.0000	OZ	365
SODIUM BORATE,	SODIUM BORATE, TETRA		No	N14	500.0000	500.0000	500.0000	G	365
					500.0000	500.0000	500.0000	G	365
SODIUM HY 5.0	SODIUM HYDROXIDE 5.0 AND 10.0		No	N14	600.0000	400.0000	1500.0000	ML	365
					600.0000	400.0000	1500.0000	ML	365
SOD HYDRO	SODIUM HYDROXIDE SOLUTIONS, 40% AND		No	N14	6.0000	4.0000	10.0000	L	365
					6.0000	4.0000	10.0000	L	365
SULFUR ACID 93%	SULFURIC ACID STANDARD SOLUTION 5.25N		No	N14	600.0000	400.0000	1500.0000	ML	365

Material Inventory Report System - INVENTORY Module 9-34 INV-009D

MATERIAL LOCATION SUMMARY LISTING FOR 2015 REPORTING YEAR

All Items

Ordered by Location Description, Product Name + Product Code

ACCOMAC PROCESSING PLANT
22520 LANKFORD HIGHWAY
ACCOMAC, VA 23301

Location Code/ Product Code	Location Description/ Product Name	Grid Coord.	Confi-den-tial	Strg. C/P/T	Maximum Amount	Average Amount	Annual Usage	U o M	Days on-site
WW LAB	WW LAB								
					600.0000	400.0000	1500.0000	ML	365
TN HYDROXIDE	TN (TOTAL NITROGEN) HYDROXIDE REAGENT		No	R14	1.0000	1.0000	1.0000	LB	365
TN PERSULFATE	TN (TOTAL NITROGEN) PERSULFATE		No	R14	1.0000	1.0000	1.0000	LB	365
TN REAGENT A	TN (TOTAL NITROGENT) REAGENT A		No	R14	1.0000	1.0000	1.0000	LB	365
TN REAGENT B	TN (TOTAL NITROGENT) REAGENT B		No	R14	1.0000	1.0000	1.0000	LB	365
					4.0000	4.0000	4.0000	LB	365
TNT872A	TNT872A		No	R14	55.0000	55.0000	275.0000	ML	365
TNT872B	TNT872B ORGANIC ACIDS B		No	R14	55.0000	55.0000	275.0000	ML	365
TNT872C	TNT872C ORGANIC ACIDS C		No	R14	55.0000	55.0000	275.0000	ML	365
TNT872D	TNT872D ORGANIC ACID D		No	R14	275.0000	275.0000	1375.0000	ML	365
TNT872SV	TNT872SV ORGANIC ACID SAMPLE VIAL		No	R14	125.0000	125.0000	625.0000	ML	365
					565.0000	565.0000	2825.0000	ML	365

ATTACHMENT 10

RECEIVING WATERS INFO./ TIER DETERMINATION/STORET DATA/ STREAM MODELING

10-1

Planning Permit Review

Date: 4/15/2016

To: Kristie Britt, TRO

Permit Writer: Debra Thompson

Facility: Perdue Foods, LLC.

Permit Number: VA0003808

Issuance, Reissuance or Modification (if Modification describe): Reissue

Permit Expiration Date: 9/28/2016

Waterbody ID (ex: VAT-G15E): VAT-DO3E Parker Creek to Metompkin Bay

Topo Name: Parksley

Facility Address: *22520 Lankford Highway, Accomac, VA 23301*

Receiving Stream: Attached are topographic maps showing facility property boundaries and outfall(s) locations for those included in this request.

Stream Name: Parker Creek and UT to Folly Creek	
Stream Data Requested?	
Outfall #: See Outfall Table	**Lat Lon: See Outfall Table for information**
Outfall #:	**Lat Lon:**
Outfall #:	**Lat Lon:**
Stream Name (2):	
Stream Data Requested?	
Outfall #:	**Lat Lon:**
Outfall #:	**Lat Lon:**
Outfall #:	**Lat Lon:**

If greater than 2 receiving streams or 3 outfalls per stream please provide a separate table with outfall listings and Latitude Longitude description.

Planning Review:

303 (d): Indicate Outfalls which discharge directly to an impaired (Category 5) stream segment and parameters impaired	
Outfalls 001, 005,006, and 008 discharge to impaired stream Parker Creek, VAT-D03R_PAR01A00. Outfalls 003, 004, and 009 discharge to impaired stream Unnamed Tributary to Folly Creek, VAT-D03R_XDE01A02. Parker Creek is impaired for Recreation Use - E. coli. Both streams are impaired for Aquatic Life Use- Benthics. See Attachment 1.	
Tier Determination	
Tier	The Tier 1 designation is maintained due to impairment for benthics. See Attachment 1.
Tier	
Management Plan	
Is the facility Referenced in a Management Plan?	Yes. See Attachment 2.
Are limits contained in a Management Plan?	Yes.

Review will be completed in 30 days of receipt of request.

Additional Comments:

Outfall table with lat/lon information as well as pollutant sources and receiving stream is in the PLANNING folder Debbie- I removed parts of the WQMP 9VAC25-720 that were not applicable to Folly or Parker Creek to shorten Attachment 2. KNB 5/9/2016

Attachment 2 (management plan)

Virginia Administrative Code

Database updated through May 2, 2016

CHAPTER 720

WATER QUALITY MANAGEMENT PLANNING REGULATION

9VAC25-720-10. Definitions.

The following words and terms when used in this chapter shall have the following meanings unless the context clearly indicates otherwise:

"Assimilative capacity" means the greatest amount of loading that a water can receive without violating water quality standards, significantly degrading waters of existing high quality, or interfering with the beneficial use of state waters.

"Best management practices (BMP)" means a schedule of activities, prohibition of practices, maintenance procedures and other management practices to prevent or reduce the pollution of state waters. BMPs include treatment requirements, operating and maintenance procedures, schedule of activities, prohibition of activities, and other management practices to control plant site runoff, spillage, leaks, sludge or waste disposal, or drainage from raw material storage.

"Best practicable control technology currently available (BPT)" means control measures required of point source discharges (other than POTWs) as determined by the EPA pursuant to § 304(b)(1) of the CWA (33 USC § 1251 et seq.) as of 1987.

"Board" means the State Water Control Board (SWCB).

"Chesapeake Bay Watershed" means the following Virginia river basins: Potomac River Basin (9VAC25-260-390 and 9VAC25-260-400), James River Basin (9VAC25-260-410, 9VAC25-260-415, 9VAC25-260-420, and 9VAC25-260-430), Rappahannock River Basin (9VAC25-260-440), Chesapeake Bay and small coastal basins (9VAC25-260-520, Sections 2 through 3g), and the York River Basin

(9VAC25-260-530).

"Clean Water Act or Act (CWA)" means 33 USC § 1251 et seq. as amended, as of 1987.

"Delivery factor" means an estimate of the number of pounds of total nitrogen or total phosphorus delivered to tidal waters for every pound discharged from a permitted facility, as determined by the specific geographic location of the permitted facility, to account for attenuation that occurs during riverine transport between the permitted facility and tidal waters. Delivery factors shall be calculated using the Chesapeake Bay Program watershed model.

"Discharge" means when used without qualification, a discharge of a pollutant or any addition of any pollutant or combination of pollutants to state waters or waters of the contiguous zone or ocean or other floating craft when being used for transportation.

"Effluent limitation" means any restriction imposed by the board on quantities, discharge rates or concentrations of pollutants that are discharged from point sources into state waters.

"Effluent limitation guidelines" means a regulation published by EPA under the Act and adopted by the board.

"Effluent limited segment (EL)" means a stream segment where the water quality does and probably will continue to meet state water quality standards after the application of technology-based effluent limitations required by §§ 301(b) and 306 of the CWA (33 USC § 1251 et seq.) as of 1987.

"Environmental Protection Agency (EPA)" means the United States Environmental Protection Agency.

"Equivalent load" means 2,300 pounds per year of total nitrogen and 300 pounds per year of total phosphorus at a flow volume of 40,000 gallons per day; 5,700 pounds per year of total nitrogen and 760 pounds per year of total phosphorus at a flow volume of 100,000 gallons per day; and 28,500 pounds per year of total nitrogen and 3,800 pounds per year of total phosphorus at a flow volume of 500,000 gallons per day.

"Load or loading" means the introduction of an amount of matter or thermal energy into a receiving water. Loading may be either man-

caused (pollutant loading) or natural (background loading).

"Load allocation (LA)" means the portion of a receiving water's loading capacity attributable either to one of its existing or future nonpoint sources of pollution or to natural background sources. Load allocations are best estimates of the loading, which may range from accurate estimates to gross allotments, depending on the availability of data and appropriate techniques for predicting the loading. Wherever possible, natural and nonpoint source loads should be distinguished.

"Nonpoint source" means a source of pollution, such as a farm or forest land runoff, urban storm water runoff, mine runoff, or salt water intrusion that is not collected or discharged as a point source.

"Point source" means any discernible, defined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock vessel or other floating craft, from which pollutants are or may be discharged. This term does not include return flows from irrigated agricultural land.

"Pollutant" means any substance, radioactive material, or heat that causes or contributes to, or may cause or contribute to, pollution. It does not mean:

1. Sewage from vessels; or

2. Water, gas, or other material that is injected into a well to facilitate production of oil, dry gas, or water derived in association with oil or gas production and disposed of in a well, if the well is used either to facilitate production or for disposal purposes if approved by the Department of Mines, Minerals and Energy unless the board determines that such injection or disposal will result in the degradation of ground or surface water resources.

"Pollution" means such alteration of the physical, chemical or biological properties of any state waters as will or is likely to create a nuisance or render such waters (i) harmful or detrimental or injurious to the public health, safety or welfare, or to the health of animals, fish or aquatic life; (ii) unsuitable with reasonable treatment for use as present or possible future sources of public water supply; or (iii)

unsuitable for recreational, commercial, industrial, agricultural, or other reasonable uses; provided that: (a) an alteration of the physical, chemical, or biological property of state waters, or a discharge or deposit of sewage, industrial wastes or other wastes to state waters by any owner, which by itself is not sufficient to cause pollution, but which, in combination with such alteration of or discharge or deposit to state waters by other owners is sufficient to cause pollution; (b) the discharge of untreated sewage by any owner into state waters; and (c) contributing to the contravention of standards of water quality duly established by the board, are "pollution" for the terms and purposes of this water quality management plan.

"Publicly owned treatment works (POTW)" means any sewage treatment works that is owned by a state or municipality. Sewers, pipes, or other conveyances are included in this definition only if they convey wastewater to a POTW providing treatment.

"Significant discharger" means (i) a point source discharger to the Chesapeake Bay watershed with a design capacity of 0.5 million gallons per day or greater, or an equivalent load; (ii) a point source discharger to the Chesapeake Bay watershed downstream of the fall line with a design capacity of 0.1 million gallons per day or greater, or an equivalent load; (iii) a planned or newly expanding point source discharger to the Chesapeake Bay watershed that is expected to be in operation by 2010 with a permitted design of 0.5 million gallons per day or greater, or an equivalent load; or (iv) a planned or newly expanding point source discharger to the Chesapeake Bay watershed downstream of the fall line with a design capacity of 0.1 million gallons per day or greater, or an equivalent load, that is expected to be in operation by 2010.

"State waters" means all waters, on the surface and under the ground and wholly or partially within or bordering the Commonwealth or within its jurisdiction, including wetlands.

"Surface water" means all waters in the Commonwealth except ground waters as defined in § 62.1-255 of the Code of Virginia.

"Total maximum daily load (TMDL)" means the sum of the individual waste load allocations (WLAs) for point sources, load allocations (LAs) for nonpoint sources, natural background loading and usually a safety factor. TMDLs can be expressed in terms of either mass per

time, toxicity, or other appropriate measure. The TMDL process provides for point versus nonpoint source trade-offs.

"Toxic pollutant" means any agent or material including, but not limited to, those listed under § 307(a) of the CWA (33 USC § 1251 et seq. as of 1987), which after discharge will, on the basis of available information, cause toxicity.

"Toxicity" means the inherent potential or capacity of a material to cause adverse effects in a living organism, including acute or chronic effects to aquatic life, detrimental effects on human health or other adverse environmental effects.

"Virginia Pollution Discharge Elimination System (VPDES) permit" means a document issued by the board, pursuant to 9VAC25-31, authorizing, under prescribed conditions, the potential or actual discharge of pollutants from a point source to surface waters.

"Waste load allocation (WLA)" means the portion of a receiving water's loading or assimilative capacity allocated to one of its existing or future point sources of pollution. WLAs are a type of water quality-based effluent limitation.

"Water quality limited segment (WQL)" means any stream segment where the water quality does not or will not meet applicable water quality standards, even after the application of technology-based effluent limitations required by §§ 301(b) and 306 of the CWA (33 USC § 1251 et seq. as of 1987).

"Water quality management plan (WQMP)" means a state- or area-wide waste treatment management plan developed and updated in accordance with the provisions of §§ 205(j), 208 and 303 of the CWA (33 USC § 1251 et seq. as of 1987).

"Water quality standards (WQS)" means narrative statements that describe water quality requirements in general terms, and of numeric limits for specific physical, chemical, biological or radiological characteristics of water. These narrative statements and numeric limits describe water quality necessary to meet and maintain reasonable and beneficial uses such as swimming and, other water based recreation, public water supply and the propagation and growth of aquatic life. The adoption of water quality standards under the State Water Control Law is one of the board's methods of accomplishing the law's purpose.

Statutory Authority

§ 62.1-44.15 of the Code of Virginia; § 303 of the federal Clean Water Act.

Historical Notes

Derived from Virginia Register Volume 19, Issue 14, eff. April 24, 2003; amended, Virginia Register Volume 22, Issue 3, eff. November 16, 2005.

9VAC25-720-20. Purpose.

The purpose of this regulation is to list by major river basin the board-adopted total maximum daily load (TMDL) wasteload allocations (WLAs), stream segment classifications, and effluent limitations including water quality based effluent limitations contained in the existing water quality management plans (WQMPs). Additional information is provided in the footnotes as noted in 9VAC25-720-50 through 9VAC25-720-130.

Statutory Authority

§ 62.1-44.15 of the Code of Virginia; 33 USC § 1313(e) of the Clean Water Act.

Historical Notes

Derived from Virginia Register Volume 19, Issue 14, eff. April 24, 2003; amended, Virginia Register Volume 31, Issue 12, eff. March 11, 2015.

9VAC25-720-30. Relationship to 9VAC25-40, Regulation for Nutrient Enriched Waters and Dischargers within the Chesapeake Bay Watershed.

The provisions of this chapter and 9VAC25-40, Regulation for Nutrient Enriched Waters and Dischargers within the Chesapeake Bay Watershed, constitute the nutrient reduction requirements for point source discharges in the Chesapeake Bay Watershed to protect the Chesapeake Bay and its tidal rivers.

Statutory Authority

§ 62.1-44.15 of the Code of Virginia; § 303 of the federal Clean Water Act.

Historical Notes

Derived from Virginia Register Volume 22, Issue 3, eff. November 16, 2005.

9VAC25-720-40. Implementing Nitrogen and Phosphorus Waste Load Allocations in the Chesapeake Bay Watershed.

A. Nitrogen and phosphorus waste load allocations assigned to individual significant dischargers in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C may be exchanged in accordance with the Chesapeake Bay Watershed Nutrient Credit Exchange Program established under Article 4.02 (§ 62.1-44.19:12 et seq.) of Chapter 3.1 of Title 62.1 of the Code of Virginia. Exchanges must account for the delivery factor applicable to each discharge based upon its location within the river basin and calculated by the Chesapeake Bay Program watershed model.

B. The nitrogen and phosphorus waste load allocations assigned to individual significant dischargers in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C are considered to be bioavailable to aquatic life. On a case-by-case basis, a discharger may demonstrate to the satisfaction of the board that a significant portion of the nutrients discharged by the facility is not bioavailable to aquatic life. In these cases, the board may limit the permitted discharge to reflect only that portion of the assigned waste load allocation that is bioavailable. Such limits shall be consistent with the assumptions and methods used to derive the allocations through the Chesapeake Bay watershed and water quality models.

C. Unless otherwise noted, the nitrogen and phosphorus waste load allocations assigned to individual significant dischargers in 9VAC25-720-50 C, 9VAC25-720-60 C, 9VAC25-720-70 C, 9VAC25-720-110 C, and 9VAC25-720-120 C are considered total loads including nutrients present in the intake water from the river, as applicable. On a case-by-case basis, an industrial discharger may demonstrate to the satisfaction of the board that a significant portion of the nutrient load originates in its intake water. In these cases, the

board may limit the permitted discharge to reflect only the net nutrient load portion of the assigned waste load allocation. Such limits shall be consistent with the assumptions and methods used to derive the allocations through the Chesapeake Bay watershed and water quality models.

D. The board may amend this regulation to adjust individual nitrogen and phosphorus waste load allocations. Reasons for considering such an adjustment include, but are not limited to:

1. A discharger completes or does not complete a plant expansion as evidenced by issuance of a Certificate To Operate by December 31, 2010; or

2. A river basin nutrient load allocation is not achieved.

Any adjustment to an individual waste load allocation must ensure water quality standards are maintained.

Statutory Authority

§ 62.1-44.15 of the Code of Virginia; § 303 of the federal Clean Water Act.

Historical Notes

Derived from Virginia Register Volume 22, Issue 3, eff. November 16, 2005.

9-01

9VAC25-720-110. Chesapeake Bay -- Small Coastal -- Eastern Shore River Basin.

A. Total maximum daily loads (TMDLs).

TMDL #	Stream Name	TMDL Title	City/County	WBID	Pollutant	WLA[1]	Units
1.	Parker Creek	Benthic Total Maximum Daily Load (TMDL) Development for Parker Creek, Virginia	Accomack	D03E	Total phosphorus	664.2	LB/YR
5.	Folly Creek	Total Maximum Daily Loads of Pathogens for Folly Creek in Accomack County, Virginia	Accomack	D03E	Total nitrogen	2.6	LBS/D
30.	Folly Creek	Total Maximum Daily Load (TMDL) Report for Shellfish Areas Listed Due to Bacterial Contamination - Folly Creek	Accomack	D03	Fecal coliform	N/A[2]	MPN/day
99.	Parker Creek	Bacteria Total Maximum Daily Load Development for the Parker Creek Watershed	Accomack	D03	Fecal coliform	1.59E+10	MPN/day

Notes:

[1]The total WLA can be increased prior to modification provided that DEQ tracks these changes for bacteria TMDLs where the permit is consistent with water quality standards for bacteria.

[2]There were no point source dischargers in the modeled TMDL area.

[3]This WLA represents only the Virginia portion of the watershed.

01-01

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and wasteload allocations.

Small Coastal and Chesapeake Bay

TABLE B1 - CURRENT STREAM SEGMENT CLASSIFICATION

Segment No.	Name	Current State Class
7-12A	Pocomoke Sound	E.L.
7-12B	Messongo Creek	E.L.
7-12C	Beasley Bay	E.L.
7-12D	Chesconessex Creek	E.L.
7-13	Onancock Creek	W.Q.
7-14	Pungoteague	W.Q.
7-12E	Nandua Creek	E.L.
7-15	Occohannock Creek	W.Q.
7-12F	Nassawadox Creek	E.L.
7-12G	Hungars Creek	E.L.
7-12H	Cherrystone Inlet	E.L.
7-12I	South Bay	E.L.
7-12J	Tangier Island	—
7-11A	Chincoteague	E.L.
7-11B	Hog Bogue	E.L.
7-11C	Metomkim Bay	E.L.
7-11D	Machipongo River	E.L.
7-11E	South Ocean	E.L.

Small Coastal and Chesapeake Bay

TABLE B2 - EASTERN SHORE WASTELOAD ALLOCATIONS

		INTERIM WASTELOAD ALLOCATIONS[1] (Current Permit Limits)			FINAL WASTELOAD ALLOCATIONS		
NAME	RECEIVING STREAM OR ESTUARY	BOD_5 (lb/d)	SUSPENDED SOLIDS (lb/d)	OIL & GREASE (lb/d)	BOD_5 (lb/d)	SUSPENDED SOLIDS (lb/d)	OIL & GREASE (lb/d)
Perdue Foods (process water)	Parker Cr.	May-Oct 275 367 Nov-Apr. 612 797	--	--	Interim Permit in process. Stream survey/models were run. No substantial change in permit anticipated.		
Perdue Foods (parking lot)	Parker Cr.	30mg/l[5]	30mg/l[5]	--	30mg/l[5]	30mg/l[5]	--

Notes:

[1]Water quality data taken from discharge monitoring reports or special studies unless indicated.

[2]NPDES Permit limits given since the permit is new and discharge monitoring reports not yet available.

[3]Data from Accomack-Northampton Co. Water Quality Management Plan.

[4]Estimated.

[5]May need a permit -- either company has not responded to SWCB letter or operation has just started up.

[6]No limits -- has an NPDES permit, but is not required to monitor.

10-12

TABLE B3 - EXISTING OR POTENTIAL SOURCES OF WATER POLLUTION

Location No.	Name	Receiving Estuary	Stream	Flow (MGD)	CBOD (mgl/#D)	NBOD (mgl/#D)	Total Suspended Solids (mgl/#D)	D.O. (mgl)	FC (MPN/ 100ml)	Treatment/Operation
30	Perdue Foods	Metomkin Bay	Parker Creek	1.7	11/156		15/213	6.5	150	Sec., Aerated Lagoon, Holding Pond, CL_2
31	Perdue Foods	Metomkin Bay	Parker Cr.	.01			15/1.3			

Notes:
[1]Water quality data taken from Discharge Monitoring Reports or special studies unless indicated.
[2]NPDES Permit limits given since the permit is new and discharge monitoring reports not yet available.
[3]Data from Accomack-Northampton Co. Water Quality Management Plan.
[4]Estimated.
[5]May need a permit -- either company has not responded to SWCB letter or operation has just started up.
[6]No limits -- has an NPDES permit, but is not required to monitor.

9VAC25-720-140. Delegation section.

The director or his designee may perform any action contained in this regulation except those prohibited by § 62.1-44.14 of the State Water Control Law.

Statutory Authority

§ 62.1-44.15 of the Code of Virginia; 33 USC § 1313(e) of the Clean Water Act.

Historical Notes

Derived from Virginia Register Volume 19, Issue 14, eff. April 24, 2003.

ATTACHMENT 11

303(d) LISTED SEGMENTS

TMDL Permit Review

Date: 4/18/2016

To: Jennifer Howell, TRO

Permit Writer: Debra Thompson

Facility: Perdue Foods LLC

Permit Number: VA0003808

Issuance, Reissuance or Modification (if Modification describe) : Reissue

Permit Expiration Date: 9/28/2016

Waterbody ID (ex: VAT-G15E): VAT-DO3E Parker Creek to Metompkin Bay

Topo Name: Accomac, VA

Facility Address: *22520 Lankford Highway, Accomac, VA 23301*

Receiving Stream: Attached are topographic maps showing facility property boundaries and outfall(s) locations for those included in this request.

Stream Name: Parker Creek and UT to Folly Creek	
Outfall #: See Additional sheet in folder	**Lat Lon:**
Outfall #:	**Lat Lon:**
Outfall #:	**Lat Lon:**
Stream Name (2):	
Outfall #:	**Lat Lon:**
Outfall #:	**Lat Lon:**
Outfall #:	**Lat Lon:**

If greater than 2 receiving streams or 3 outfalls per stream please provide a separate table with outfall listings and Latitude Longitude description.

Is there a design flow change? If yes give the change. Click here to enter text.

TMDL Review:

Is a TMDL IN PROGRESS for the receiving stream? No	
Has a TMDL been APPROVED that includes the receiving stream?	
Yes, see below.	
If yes, Include TMDL Name, Pollutant(s) and date of approval:	
1) Bacteria TMDL Development for Parker Creek Watershed, Virginia: Fecal Coliform & Enterococci: EPA approved 1/15/2008. 2) Benthic TMDL Development for Parker Creek, Virginia: TP: EPA approved 11/7/2008 and EPA approved modification 8/15/2011. 3) TMDL of DO for Folly Creek: TN: EPA approved 10/3/2012. 4) TMDL for Bacteria for Folly Creek: Fecal Coliform: EPA approved 1/15/2008.	
Is the facility assigned a WLA from the TMDL?	Yes
If Yes, what is the WLA? Only use EOS Loads for Chesapeake Bay TMDL WLAs	
1) Fecal Coliform: 1.59E+10 cfu/100mL based on a 10 year ave flow rate of 2.1 MGD and permitted FC ave of 200 CFU/100mL. 2) TP: 0.10 mg/L. This is a concentration based endpoint determined by using reference conditions and is flow independent. 3) Facility not referenced in DO TMDL. 4) Facility not referenced in Fecal Coliform TMDL.	

11-2

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

2012 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
D03E-01-DO	Gargathy Creek - Upper & Lower						
Aquatic Life	Oxygen, Dissolved	5A	0.009			2004	2016
	Oxygen, Dissolved	5A	0.122			2006	2018
D03E-02-BAC	Finney Creek - Upper						
Recreation	Fecal Coliform	5A	0.002			2004	2016
D03E-04-DO	Folly Creek - Upper & Middle						
Aquatic Life	Oxygen, Dissolved	5A	0.376			2006	2018
D03E-07-BAC	Wachapreague Channel						
Recreation	Enterococcus	5A	0.032			2008	2020
D03E-08-DO	Northam Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.028			2004	2016
D03R-02-BAC	Gargathy Creek						
Recreation	Escherichia coli	5A			2.69	2004	2016
D03R-02-BEN	Gargathy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.69	2002	2014
D03R-03-BEN	Ross Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.07	2002	2014
D03R-04-BEN	Unnamed tributary to Folly Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.46	2002	2014
D03R-05-BEN	Rattrap Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.60	2012	2024
D04E-01-BAC	Red Bank Creek - Middle & Lower						
Recreation	Enterococcus	5A	0.029			2008	2020
D04E-01-DO	Red Bank Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.003			2004	2016
	Oxygen, Dissolved	5A	0.020			2008	2020
D04E-01-SF	Red Bank Creek - Upper & Middle						
Shellfishing	Fecal Coliform	5B	0.012			2006	2018
D04E-02-DO	Unnamed tributary to Red Bank Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.009			2004	2016
D04E-02-SF	Unnamed tributary to Red Bank Creek						
Shellfishing	Fecal Coliform	5B	0.009			2006	2018
D04E-05-BAC	Machipongo River						
Recreation	Enterococcus	5A	0.314			2008	2020
D04E-05-SF	Machipongo River						
Shellfishing	Fecal Coliform	5B	0.314			2008	2020
D04R-01-BAC	Red Bank Creek						
Recreation	Fecal Coliform	5A			1.27	2004	2016

Attachment 1-1

Appendix 5 - List of Impaired (Category 5) Waters in 2012

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **D03R-04-BEN** **Unnamed tributary to Folly Creek**

Location: This cause encompasses the headwaters downstream to start of tidal waters. Located east of Accomack, near Edge Hill Cemetery.

City / County: Accomack Co

Use(s): Aquatic Life

Cause(s) /
VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Aquatic Life Use is impaired based on the streams Benthic population as recorded at the following sample events: 7-XDE000.40 - moderately impaired [VI: F-10; MI:S&F-07,08 & F-05,10 & S-06 petroleum smell present at site for years].

Unnamed tributary to Folly Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			**1.46**

Sources:

Leaking Underground Storage Tanks	Source Unknown

11-4

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

2012 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
CB7PH-DO-BAY	Chesapeake Bay segment CB7PH						
Aquatic Life	Oxygen, Dissolved	4A	544.306			1998	2010
	Oxygen, Dissolved	4A	33.146			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	4A	544.306			1998	2010
	Oxygen, Dissolved	4A	33.146			2006	2010
CB7PH-SAV-BAY	Chesapeake Bay segment CB7PH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	577.453			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	577.453			2006	2010
CB8PH-SAV-BAY	Chesapeake Bay segment CB8PH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	149.161			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	149.161			2006	2010
D01E-02-BAC	Little Mosquito Creek						
Recreation	Enterococcus	4A	0.208			2004	2016
D01E-04-BAC	Swans Gut Creek						
Recreation	Enterococcus	4A	0.100			2006	2018
D01E-13-SF	Greenbackville Harbor						
Shellfishing	Fecal Coliform	4A	0.009			1998	2010
D02E-01-BAC	Assawoman Creek						
Recreation	Enterococcus	4A	0.136			1998	2010
D02E-01-SF	Assawoman Creek						
Shellfishing	Fecal Coliform	4A	0.122			1998	2010
D02E-10-SF	Unsegmented estuaries in D02E						
Shellfishing	Fecal Coliform	4A	0.007			2010	2022
D02R-01-BAC	Pettit Branch						
Recreation	Escherichia coli	4A			1.74	1998	2010
D02R-01-BEN	Pettit Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.74	1996	2010
D03E-04-BAC	Folly Creek - Upper & Middle						
Recreation	Enterococcus	4A	0.376			2006	2018
D03E-04-SF	Folly Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.298			1998	2010
D03E-05-BAC	Parker Creek - Middle & Lower						
Recreation	Enterococcus	4A	0.047			2006	2018
D03R-01-BAC	Parker Creek						
Recreation	Escherichia coli	4A			2.19	1994	2010

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

2012 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
D03R-01-BEN	Parker Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.19	1994	2010
D05E-01-BAC	Oyster Slip (Harbor) - Upper						
Recreation	Enterococcus	4A	0.034			2006	2018
D05E-01-SF	Oyster Slip (Harbor) - Upper						
Shellfishing	Fecal Coliform	4A	0.034			1998	2010
D06R-01-DO	Mill Creek						
Aquatic Life	Oxygen, Dissolved	4A			1.57	1998	2010
LYNPH-DO-BAY	Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries						
Aquatic Life	Oxygen, Dissolved	4A	7.915			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	4A	7.915			2006	2010
MOBPH-DO-BAY	Chesapeake Bay segment MOBPH (Mobjack Bay)						
Aquatic Life	Oxygen, Dissolved	4A	0.132			2002	2010
	Oxygen, Dissolved	4A	0.238			2004	2010
	Oxygen, Dissolved	4A	410.976			2006	2010
	Oxygen, Dissolved	4A	0.024			2008	2010
	Oxygen, Dissolved	4A	0.003			2012	2010
Open-Water Aquatic Life	Oxygen, Dissolved	4A	0.132			2002	2010
	Oxygen, Dissolved	4A	0.238			2004	2010
	Oxygen, Dissolved	4A	410.976			2006	2010
	Oxygen, Dissolved	4A	0.024			2008	2010
	Oxygen, Dissolved	4A	0.003			2012	2010
MOBPH-SAV-BAY	Chesapeake Bay segment MOBPH (Mobjack Bay)						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	411.133			2006	2010
	Aquatic Plants (Macrophytes)	4A	0.298			2006	2018
	Aquatic Plants (Macrophytes)	4A	0.024			2010	2010
	Aquatic Plants (Macrophytes)	4A	0.003			2012	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	0.298			2006	2018
	Aquatic Plants (Macrophytes)	4A	411.133			2006	2010
	Aquatic Plants (Macrophytes)	4A	0.024			2010	2010
	Aquatic Plants (Macrophytes)	4A	0.003			2012	2010
PIAMH-DO-BAY	Piankatank Mesohaline Estuary						
Aquatic Life	Oxygen, Dissolved	4A	11.807			2002	2010
	Oxygen, Dissolved	4A	14.260			2008	2010
PIAMH-SAV-BAY	Piankatank Mesohaline Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	26.066			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	26.066			2006	2010

11-6

VIRGINIA

Draft 305(b)/303(d)

WATER QUALITY INTEGRATED REPORT

to

CONGRESS and the EPA ADMINISTRATOR

for the

PERIOD

January 1, 2005 to December 31, 2010

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

DCR
Department of Conservation & Recreation
CONSERVING VIRGINIA'S NATURAL AND RECREATIONAL RESOURCES

Richmond, Virginia

March 2012

11-7

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

August 15, 2011

Mr. David S. Lazarus
Virginia Department of Environmental Quality
P.O. Box 1105
Richmond, VA 23218

Dear Mr. Lazarus,

The United States Environmental Protection Agency (EPA) has reviewed the Virginia Department of Environmental Quality's (DEQ's) request to amend the total phosphorus (TP) Total Maximum Daily Load (TMDL) for Parker Creek (VAT-D03R-01), located in Accomack County, Virginia. The original phosphorus TMDL for Parker Creek was approved by EPA on November 7, 2008 to address aquatic life use impairments. DEQ has requested that the original TMDL report be modified to clarify that the endpoint for TP is concentration-based (0.10 mg/L, based on reference conditions), and that this concentration-based endpoint may be achieved by enforcement of a 0.10 mg/L TP permit limit for the only point source in the watershed (Purdue Farms, Inc., VPDES Permit No. VA0003808), as well as appropriate reductions from non point sources of phosphorus in the Parker Creek watershed.

The modifications requested by DEQ will not change the overall TMDL, WLA, or LA or MOS values. Additionally, EPA understands that DEQ provided public notice and a 30-day comment period for the requested revisions, and that no comments were received during this period. Based upon this information, EPA approves the requested modifications to the Parker Creek TP TMDL. If you have any questions or comments concerning this letter, please do not hesitate to call me at (215) 814-5796.

Sincerely,

Helene Drago

Helene Drago, Manager
TMDL Program

11-8

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
Street address: 629 East Main Street, Richmond, Virginia 23219
Mailing address: P.O. Box 1105, Richmond, Virginia 23218
Fax (804) 698-4500 TDD (804) 698-4021
www.deq.virginia.gov

Douglas W. Domenech
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4000
1-800-592-5482

August 4, 2011

Mr. Greg Voigt
US EPA Region III TMDL Coordinator
USEPA REGION 3 – 3WP12
1650 Arch Street
Philadelphia, PA 19103-2029

RE: Total Maximum Daily Load modifications for waste load allocations in the benthic TMDL for Parker Creek watershed.

Dear Mr. Voigt,

The purpose of this letter is to request a modification to the text in the benthic Total Maximum Daily Load (TMDL) developed for the tidal Parker Creek, located in Accomack County, Virginia. EPA Region III approved the benthic TMDL addressing Total Phosphorus impairment for the Parker Creek watershed on 11/7/2008. The modification submittal provides continuity between affected TMDL endpoint achievement and the original TMDL report.

Modification: The Parker Creek TMDL study will be changed to describe how a previously permitted facility, Perdue Farms, Inc in Accomack, VA (VPDES Permit No. VA0003808) will be required to assure compliance with the TMDL total phosphorus concentration endpoint, 0.10 mg/L. The Executive Summary 'Endpoint Determination' section states, "Based on the average instream total phosphorus concentration of the reference stream, it was concluded that a suitable endpoint for total phosphorus is 0.10 mg/L." The TMDL report indicates that the impaired Parker Creek Benthic Aquatic Life Use endpoint is both concentration based and flow independent. The concentration endpoint should be achieved by enforcement of the 0.10 mg/L total phosphorus permit limit, and appropriate reductions in the non point phosphorus sources in the watershed. The Parker Creek hydrodynamics are effluent dominated. The flow rate changes at the downstream TMDL outlet location are highly dependent upon permitted Perdue discharge flow changes in the headwaters. A description later in the report currently indicates that the daily and annual Waste Load Allocations (WLAs) should be load based and may be used to achieve the TMDL endpoint. This 'load' based mechanism to achieve this concentration endpoint creates confusion. While the TMDL concentration endpoint may be achieved, these flow regime changes, from either natural or permitted sources, should have no adverse impact on stream water quality or use attainment as described in the TMDL. The TMDL does not require flow restrictions to assure attainability of Parker Creek's benthic aquatic life use.

11-9

The combined changes do not affect the original TMDL equations and WLA equations, which will remain.

DEQ provided public notice and a 30-day comment period on the TMDL modifications which expired on July 20, 2011. No comments were received. DEQ is submitting this request for modification of the Parker Creek TMDL for EPA approval and have enclosed one printed copy of modified pages for this request.

Permit Details
Perdue Farms, Inc in Accomack, VA (VPDES Permit No. VA0003808) permit, which expired on June/30/2011, has been administratively continued. A proposed revised permit has been submitted to EPA and is pending TMDL modification approval.

TMDL Revisions
The following text from the Parker Creek TMDL report was affected by the described change, as follows:

p E-3: text added to the end of the paragraph in Executive Summary Section 'Endpoint Determination' is, "The impaired Parker Creek benthic Aquatic Life Use endpoint is both concentration based and flow independent."
p 6-3: text added to paragraph 2, Section 6.1.3, 'Wasteload Allocation', The Parker Creek hydrodynamics are effluent dominated and the flow rate changes at the downstream TMDL outlet location are highly dependent upon flow changes at the Perdue permitted discharge outfall location in the headwaters. While the TMDL concentration endpoint may be achieved, flow regime changes from either natural or permitted sources should have no adverse impact on stream water quality or use attainment as described in the TMDL. The TMDL does not require flow restrictions to assure attainability of Parker Creek's benthic aquatic life use.

In accordance with EPA's August 2003 letter to VADEQ, VADEQ hereby requests EPA approval of the proposed modification. If you or your staff has any questions, please contact me at (804) 698-4299.

Sincerely,

David L Lazarus

David Lazarus
Watershed Programs Manager
Office of Watershed Programs

Attachments
Replacement page(s)
cc: Charles Lunsford, VADCR
Sandra Mueller, VADEQ
Jennifer Howell, TRO TMDL coordinator
File CO

Potential sources of total phosphorus in the watershed include one point source and nonpoint sources.

Improvement of the benthic invertebrate community in Parker Creek is dependent upon reducing point source and nonpoint source total phosphorus loading to the stream. These measures should serve to improve benthic habitat and subsequently restore invertebrate populations in the stream. Therefore, a total phosphorus TMDL was developed for Parker Creek.

Endpoint Determination

VADEQ has not yet adopted a numeric standard for TP. Therefore, a total phosphorus endpoint was determined based on instream total phosphorus measurements at a reference stream, unnamed tributary of Holt Creek (UNT Holt Creek), located in Virginia's Eastern Shoreline. Based on the average instream total phosphorus concentration of the reference stream, it was concluded that a suitable endpoint for total phosphorus is 0.10 mg/L. This endpoint was applied over the entire year in the benthic impaired segment of Parker Creek. The impaired Parker Creek benthic Aquatic Life Use endpoint is both concentration based and flow independent.

Total Phosphorus Loading Determination

Total phosphorus sources within the benthic impaired Parker Creek watershed include both point and nonpoint sources. The only point source loading into the watershed is from an individual permitted discharge facility, Perdue Farms, Inc. Nonpoint sources include total phosphorus from agricultural and urban runoff.

Total phosphorus loads were determined for the impaired watershed in order to quantify the reductions necessary to achieve the designated aquatic life use for Parker Creek. Total phosphorus loadings from land areas were determined using the Generalized Watershed Loading Functions (GWLF) model. GWLF model simulations were performed for 2006 in order to reflect the period of most recent data collection. Average annual total phosphorus loads were computed for each land source based on a one year simulation period. Point source loads were computed based on the facility's average flow and average total phosphorus concentrations recorded in 2006 DMR data.

TMDL Allocation

Total phosphorus TMDL allocations for Parker Creek were based on the following equation.

$$TMDL = WLA + LA + MOS$$

Where:

TMDL= Total phosphorus Load of the Adjusted Reference Watershed

WLA = Wasteload Allocation

LA = Load Allocation

MOS = Margin of Safety

The wasteload allocation represents the total phosphorus load allocated to the point source. The load allocation represents the total phosphorus load allocated to nonpoint sources. A margin of safety is applied to account for uncertainty in methodologies and determination of total phosphorus loads. An explicit margin of safety of 10% was used for the Parker Creek TMDL.

The evaluated Parker Creek TMDL allocation scenarios considered phosphorus load reductions from point and nonpoint sources in the watershed. The wasteload allocation is applied to Perdue Farms, Inc., the only individual permitted facility located within the benthic impaired Parker Creek watershed. The load allocation will be applied to the land based loads in the watershed by taking an equal percent reduction from all land sources except forested lands. Loads from forested lands are considered to be representative of the natural condition and therefore were not subject to reductions.

The three scenarios considered in the Parker Creek TMDL development are presented in **Table E-1**. Scenarios 1 and 2 were used to derive scenario 3 that is the TMDL for Parker Creek. In all three scenarios, the load for nonpoint sources was estimated based on model results from GWLF in 2006. Scenario 1 represents the existing phosphorus loading conditions with the point source load from Perdue Farms, Inc. based on the average TP concentration from the 2006 DMR data (0.81 mg/L) and average flow (2.18 MGD). Scenario 2 examines the TP contribution from Perdue Farms Inc. to the total TP loading when using an effluent TP concentration of 0.50 mg/L and the average 2006

Table 6- 2: Comparison of the Total Phosphorus Load to the Allowable TMDL Load					
Scenario	Point Source (lb/year)	Nonpoint Sources (lb/year)	Total Load (lb/year)	Allowable Load (Target - MOS) (lb/year)	Comparison to the Allowable Load (%)
1	5366.6	478.9	5845.6	1000.0	82.9
2	3320.9	478.9	3799.9	1000.0	73.7
3	664.2	335.8	1000.0	1000.0	0.0

6.1.3 Wasteload Allocation

Wasteload allocation is applied to Perdue Farms, Inc., the only individual permitted facility located within the Parker Creek watershed. **Table 6-3** shows the wasteload allocation and the required reduction for the Perdue Farms, Inc effluent.

Table 6- 3: Wasteload Allocation for Parker Creek			
WLA Category	Existing Load (lb/year)	Allocated Load (lb/year)	Percent Reduction
Perdue Farms, Inc.	5366.6	664.2	87.6

The Parker Creek hydrodynamics are effluent dominated and the flow rate changes at the downstream TMDL outlet location are highly dependent upon flow changes at the Perdue permitted discharge outfall location in the headwaters. While the TMDL concentration endpoint may be achieved, flow regime changes from either natural or permitted sources should have no adverse impact on stream water quality or use attainment as described in the TMDL. The TMDL does not require flow restrictions to assure attainability of Parker Creek's benthic aquatic life use.

6.1.4 Load Allocation

Load allocation will be applied to the land based loads in the watershed, and an equal percent reduction is required from all land sources except forested lands. Loads from forested lands are considered to be representative of the natural condition and therefore were not subject to reductions. The existing and allocated sediment loads for each

nonpoint source in the Parker Creek impaired watershed are presented in **Table 6-4**. In addition, the necessary percent reduction is shown for each source.

Table 6- 4: Load Allocations Summary for Parker Creek

Source	Land Use Type	Existing Load (lb/year)	Allocated Load (lb/year)	Percent Reduction
Nonpoint Source	Deciduous Forest	0.4	0.4	0.0
	Evergreen Forest	0.4	0.4	0.0
	Mixed Forest	0.0	0.0	0.0
	Pasture/Hay	35.3	24.7	29.9
	Cultivated Crop	267.0	187.1	29.9
	Barren Land	7.1	4.9	29.9
	Low intensity Dev	7.9	5.6	29.9
	Medium intensity Dev	23.8	16.7	29.9
	High intensity Dev	23.4	16.4	29.9
	Developed open space	10.1	7.1	29.9
	Groundwater	97.5	68.3	29.9
	Septic Systems	6.0	4.2	29.9
Total		478.9	335.8	29.9

6.2 Overall Recommended TMDL Allocations

The total daily TP TMDL load, wasteload allocation, load allocation, and margin of safety for Parker Creek are summarized in **Table 6-5** in lb/day. The wasteload allocation was based on the permitted facility design flow in million gallons per day and the TP endpoint concentration of 0.1 mg/L. The load allocation was estimated using the GWLF model. The nonpoint source model was set up using a daily time step (daily precipitation and temperature input) to calculate the annualized and average daily TP loads. The recommended daily allocations (lb/day) for each watershed source in the benthic impaired segment of Parker Creek are provided in **Table 6-6**.

Overall, the TP load in the benthic impaired Parker Creek watershed must be reduced by 82.9% to meet the established TMDL endpoint.

Table 6- 5: Total Phosphorus TMDL for the Parker Creek Watershed (lb/day)

TMDL	Wasteload Allocation (WLA)	Load Allocation (LA)	Margin of Safety (10%)
3.0	1.8	0.9	0.3

ATTACHMENT 12

TABLE III(a) AND TABLE III(b) - CHANGE SHEETS

TABLE III(a)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes FROM PREVIOUS PERMIT and give a brief rationale for the changes).

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL
001	BOD-summer	No change	293 lbs/d avg to 272 lbs/d avg 507 lbs/d max to 471 lbs/d max	Decreased LTA Flow revised to 2.17 MGD	DLT 4/16
	BOD-winter	No change	312 lbs/d avg to 290 lbs/d avg 507 lbs/d max to 471 l/d max	Same as above	DLT 4/16
	TSS	No change	390 lbs/d avg - 362 lbs/d avg 585 lbs/d max to 543 lbs/d max	Same as above	DLT 4/16
	Oil & Grease	No change	156 lbs/d avg to 145 lbs/d avg 273 lbs/d max to 254 lbs/d max	Same as above	DLT 4/16
001	Total Nitrogen	No change	No change in concentrations 2010 lbs/d avg to 1865 lbs/d avg 2869 lbs/d max to 2662 lbs/d max	Decreased LTA Flow revised to 2.17 MGD	DLT 4/16
	Ammonia Nitrogen (summer)	No change	23 lb/d avg to 21 lbs/d avg 73 lbs/d max to 68 lbs/d max	Decreased LTM Flow revised to 2.82 MGD	DLT 4/16
	Ammonia Nitrogen (winter)	No change	30 lbs/d avg to 28 lbs/d avg 98 lbs/d max to 92 lbs/d max	Decreased LTM Flow revised to 2.82 MGD	DLT 4/16
	Cyanide	1/6 Months to 1/Year	0.20 lbs/d avg to 0.18 lbs/d avg 0.20 lbs/d max to 0.18 lbs/d max	Decreased LTM Flow revised to 2.82 MGD	DLT 4/16

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL

OTHER CHANGES FROM:	CHANGED TO:	DATE & INITIAL
REVISE: Toxics Monitoring Language	Updated to reflect review and evaluation of past data	DLT 4/16
ADD: Benchmark Monitoring Values	Outfall 003 & 004-guidance for use of benchmark concentration values included in the EPA Multi-Sector SW General Permit for Stormwater Discharges Associated with Industrial Activity Regulation 9VAC25-151-10 et seq,	DLT 4/16
REMOVE: Schedule of Compliance for Total Phosphorus – Outfall 001	TMDL end point concentration limit became effective on September 28, 2015; schedule met, limit effective.	DLT 4/16
ADD: Schedule of Compliance for Proper Closure of Anaerobic Lagoon #3	Anaerobic Lagoon #3 must be properly closed to address the potential of contaminates leaching into the ground water	DLT 8/16
REVISE: Groundwater Monitoring Program	More detailed reporting required each monitoring period to include data trend analysis.	DLT 9/16

21-12

TABLE III(b)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes made DURING THE PEMIT PROCESS and give a brief rationale for the changes).

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL
OTHER CHANGES FROM:			CHANGED TO:		DATE & INITIAL

12-3

ATTACHMENT 13

NPDES INDUSTRIAL PERMIT RATING WORKSHEET

13-1

NPDES Permit Rating Work Sheet

_x_ **Regular Addition**
___ **Discretionary Addition**
___ **Score change, but no status change**
___ **Deletion**

NPDES NO: |_V_|_A_|_0_|_0_|_0_|_3_|_8_|_0_|_8_|

Facility Name:

|_P_|_E_|_R_|_D_|_U_|_E_|___|_F_|_O_|_O_|_D_|_S_|___|_L_|_L_|_C_|

City: |_A_|_C_|_C_|_O_|_M_|_A_|_C_|

Receiving Water:
|_P_|_A_|_R_|_K_|_E_|_R_|___|_C_|_R_|_E_|_E_|_K_|

Reach Number: |___|___|___|___|___|___|___|___|___|___|___|

Is this facility a steam electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater (not using a cooling pond/lake)
2. A nuclear power plant
3. Cooling water discharge greater than 25% of the receiving stream's 7Q10 flow rate

___ YES; score is 600 (stop here) _X_ NO (continue)

Is this permit for a municipal separate storm sewer serving a population greater than 100,000?

___ YES; score is 700 (stop here)
_X_ NO (continue)

FACTOR 1: Toxic Pollutant Potential

PCS SIC Code: |_2_|_0_|_1_|_5_| Primary SIC Code: |_2_|_0_|_1_|_5_|

Other SIC Codes: |_2_|_0_|_7_|_7_| |___|___|___|___| |___|___|___|___| |___|___|___|___|

Industrial Subcategory Code: |___|___|_2_| (Code 000 if no subcategory)

Determine the Toxicity potential from Appendix A. Be sure to use the TOTAL toxicity potential column and check one

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
___ No process waste streams	0	0	___ 3.	3	15	___ 7.	7	35
_X_ 1.	1	5	___ 4.	4	20	___ 8.	8	40
___ 2.	2	10	___ 5.	5	25	___ 9.	9	45
			___ 6.	6	30	___ 10.	10	50

Code Number Checked: |___|_1_|

Total Points Factor 1: |___|_5_|

FACTOR 2: Flow/Stream Flow Volume *(Complete Either Section A or Section B; check only one)*

Section A--Wastewater Flow Only Considered

Wastewater Type (See Instructions)			Code	Points
Type I:	Flow < 5 MGD	___	11	0
	Flow 5 to 10 MGD	___	12	10
	Flow > 10 to 50 MGD	___	13	20
	Flow > 50 MGD	___	14	30
Type II:	Flow < 1 MGD	___	21	10
	Flow 1 to 5 MGD	___	22	20
	Flow > 5 to 10 MGD	___	23	30
	Flow > 10 MGD	___	24	50
Type III:	Flow < 1 MGD	___	31	0
	Flow 1 to 5 MGD	___	32	10
	Flow > 5 to 10 MGD	___	33	20
	Flow > 10 MGD	___	34	30

Section B--Wastewater and Stream Flow Considered

Wastewater Type (See Instructions)	Percent of Instream Wastewater Concentration at Receiving Stream Low Flow		Code	Points
Type I/III:	< 10%	___	41	0
	> 10% to < 50%	___	42	10
	> 50%	___	43	20
Type II:	<10%	___	51	0
	> 10% to < 50%	___	52	20
	> 50%	_X_	53	30

Code Checked from Section A or B: |_5_|_3_|

Total Points Factor 2: |_3_|_0_|

NPDES Permit Rating Work Sheet

NPDES No.: _V_|_A_|_0_|_0_|_0_|_3_|_8__|_0_|_8__|

FACTOR 3: Conventional Pollutants

(only when limited by the permit)

A. Oxygen Demanding Pollutant: (check one) _X_ BOD ___ COD ___ Other:_____

Permit Limits: (check one)		*Code*	*Points*
___	< 100 lbs/day	1	0
_X_	100 to 1000 lbs/day	2	5
___	>1000 to 3000 lbs/day	3	15
___	>3000 lbs/day	4	20

Code Checked: |_2__|

Points Scored: |_0_|_5_|

B. Total Suspended Solids (TSS)

Permit Limits: (check one)		*Code*	*Points*
___	< 100 lbs/day	1	0
_X_	100 to 1000 lbs/day	2	5
___	>1000 to 5000 lbs/day	3	15
___	>5000 lbs/day	4	20

Code Checked: |_2__|

Points Scored: |_0_|_5_|

C. Nitrogen Pollutant: (check one) _ __ Ammonia _X_ Other: **Total Nitrogen**

Permit Limits: (check one)		*Code*	*Points*
___	< 300 lbs/day	1	0
___	300 to 1000 lbs/day	2	5
_X_	>1000 to 3000 lbs/day	3	15
___	>3000 lbs/day	4	20

Code Checked: |_3__|

Points Scored: |_1_|_5_|

Total Points Factor 3:|_2_|_5_|

FACTOR 4: Public Health Impact

Is there a public drinking water supply located within 50 miles downstream of the effluent discharge (this includes any body of water to which the receiving water is a tributary)? A public drinking water supply may include infiltration galleries, or other methods of conveyance that ultimately get water from the above referenced supply.

___ YES (if yes, check toxicity potential number below)
_X_ NO (if no, go to Factor 5)

Determine the human health toxicity potential from Appendix A. Use the same SIC code and subcategory reference as in Factor 1. (Be sure to use the human health toxicity group column -- check one below)

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
___ No process waste streams	0	0	___ 3.	3	0	___ 7.	7	15
_X_ 1.	1	0	___ 4.	4	0	___ 8.	8	20
___ 2.	2	0	___ 5.	5	5	___ 9.	9	25
			___ 6.	6	10	___ 10.	10	30

Code Number Checked:|___|_1__|

Total Points Factor 4: |___|_0__|

NPDES Permit Rating Work Sheet

NPDES No.: _V_|_A_|_0_|_0_|_0_|_3_|_8__|_0_|_8_

FACTOR 5: Water Quality Factors

A. Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than technology-based federal effluent guidelines, or technology-based state effluent guidelines), or has a wasteload allocation been assigned to the discharge?

	Code	Points
_X_ Yes	1	10
___ No	2	0

B. Is the receiving water in compliance with applicable water quality standards for pollutants that are water quality limited in the permit?

	Code	Points
_X_ Yes	1	0
___ No	2	5

C. Does the effluent discharged from this facility exhibit the reasonable potential to violate water quality standards due to whole effluent toxicity?

	Code	Points
_X_ Yes	1	10
___ No	2	0

Code Number Checked: A |_1__| B |_1__| C |_1__|

Points Factor 5: A |_1__|_0__| + B |_0__| + C |_1__|_0__| = |_2__|_0__| TOTAL

FACTOR 6: Proximity to Near Coastal Waters

A. Base Score: Enter flow code here (from Factor 2): |_5__|_3_| *Enter the multiplication factor that corresponds to the flow code:* |_0_|.6__|

Check appropriate facility HPRI Code (from PCS):

HPRI #	*Code*	*HPRI Score*	Flow Code	Multiplication Factor
___ 1	1	20	11, 31, or 41	0.00
			12, 32, or 42	0.05
___ 2	2	0	13, 33, or 43	0.10
			14 or 34	0.15
_X_ 3	3	30	21 or 51	0.10
			22 or 52	0.30
___ 4	4	0	23 or 53	0.60
			24	1.00
___ 5	5	20		

HPRI code checked: |_3__|

Base Score: (HPRI Score) ___31.8_____ **x (Multiplication Factor)** _____0.10_____ = ____3.18_____ **(TOTAL POINTS)**

B. Additional Points--NEP Program
For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (see instructions) or the Chesapeake Bay?

	Code	Points
___ Yes	1	10
_X_ No	2	0

C. Additional Points--Great Lakes Area of Concern
for a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern (see instructions)

	Code	Points
___ Yes	1	10
__X No	2	0

Code Number Checked: A |_3__| B |_2__| C |_2__|

Points Factor 6: A |_3__|_1__| + B |___|_0__| + C |___|_0__| = |____31____| TOTAL

13-14

NPDES Permit Rating Work Sheet

NPDES No.: _V_|_A_|_0_|_0_|_0_|_3_|_8__|_0_|_8__|

SCORE SUMMARY

Factor	Description	Total Points
1	Toxic Pollutant Potential	5
2	Flow/Stream flow Volume	30
3	Conventional Pollutants	25
4	Public Health Impacts	0
5	Water Quality Factors	20
6	Proximity to Near Coastal Waters	31
	TOTAL (Factors 1-6)	**111**

S1. Is the total score equal to or greater than 80? _X_ Yes (Facility is a major) ___ No

S2. If the answer to the above question is no, would you like this facility to be discretionary major?
___ No
___ Yes (add 500 points to the above score and provide reason below:

Reason:

_____

_____

_____

_____

_____

NEW SCORE: __111_____

OLD SCORE: ___111_____

Debra L. Thompson

_____

Permit Reviewer's Name

757-518-2162
Phone Number

March 30, 2016
Date

ATTACHMENT 14

OTHER PERTINENT CORRESPONDENCE/INFORMATION

14-1

COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
109 Governor Street, Room 614-B
Richmond, VA 23219

Ph: 804-864-7487
Fax: 804-864-7481

MEMORANDUM

DATE: 6/9/2016

TO: Debra L. Thompson
Department of Environmental Quality

FROM: B. Keith Skiles, MPH, Director
Division of Shellfish Sanitation

SUBJECT: Perdue Foods, LLC

City / County: Accomack

Waterbody: Parker Creek

Type: ☑ VPDES ☐ VMRC ☐ VPA ☐ VWP ☐ JPA ☐ Other:

Application / Permit Number: VA0003808

☐ The project will not affect shellfish growing waters.

☐ The project is located in or adjacent to approved shellfish growing waters, however, the activity as described will not require a change in classification.

☑ The project is located in or adjacent to condemned shellfish growing waters and the activity, as described, will not cause an increase in the size or type of the existing closure.

☐ The project will affect condemned shellfish waters and will not cause an increase in the size of the total condemnation. However, a prohibited area (an area from which shellfish relay to approved waters for self-purification is not allowed) will be required within a portion of the currently condemned area. See comments.

☐ A buffer zone (including a prohibited area) has been previously established in the vicinity of this discharge, however, the closure will have to be revised. Map attached.

☐ This project will affect approved shellfish waters. If this discharge is approved, a buffer zone (including a prohibited area) will be established in the vicinity of the discharge. Map attached.

☐ Other.

ADDITIONAL COMMENTS:

Area #: 98

eta

VDH

14-2

COMMONWEALTH of VIRGINIA

Marissa J. Levine, MD, MPH, FAAFP
State Health Commissioner

John J. Aulbach II, PE
Director, Office of Drinking Water

DEPARTMENT OF HEALTH
OFFICE OF DRINKING WATER
Southeast Virginia Field Office

830 Southampton Avenue
Suite 2058
Norfolk, VA 23510
Phone (757) 683-2000
Fax (757) 683-2007

DATE: APR 18 2016

FROM: DBH
Daniel B. Horne, PE
Engineering Field Director

TO:
Ms. Debra Thompson, Environmental Specialist II
DEQ – Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, Virginia 23462

CITY/COUNTY: Accomack
APPLICANT: Perdue Foods LLC
PERMIT TYPE: VPDES
APPLICATION TYPE: Re-Issuance (Existing)
PROJECT: Accomac Facility

SUBJECT: Review response for DEQ's permit application #VA 0003808

Our office has reviewed the application for the discharge of wastewater from poultry processing and storm water.

No public raw water intakes in Virginia were found downstream or upstream from the discharge point/area.

DWT/DBH/kcb

pc: VDH, ODW – Central Office
VDH, Accomack County Health Department
Mr. Kevin Dennis, Purdue

R:\DIST21\Accomack\DEQ Permits\2106\Purdue-VPDES2016.docx

DEQ 4/26/16

14-3

Thompson, Debra (DEQ)

From: Badger, Hank (MRC)
Sent: Monday, April 18, 2016 9:49 AM
To: Thompson, Debra (DEQ)
Cc: Smithson Jr., Robert (DEQ); Wesson, Jim (MRC); Aschenbach, Eric (VDH)
Subject: FW: Permit Application Review for PERDUE FOODS,LLC (Permit No VA0003808)
Attachments: DLT-Perdue Foods LLC Appl to DSS.docx; DLT-Perdue Foods LLC Appl to VDH.doc; DLT-Perdue Foods LLC App to VMRC.docx; DLT-Perdue Foods LLC VA0003808 Appl 2016.pdf

The outfall itself is outside of VMRC's jurisdictional.
VMRC will not comment further unless Virginia Department of Health Division of Shellfish Sanitation indicates the shellfish growing areas will have to be condemned or reclassified as a result of the proposed discharge.

Hank Badger, VMRC Habitat Engineer
(757)414-0710

From: Thompson, Debra (DEQ)
Sent: Friday, April 15, 2016 11:45 AM
To: Horne, Daniel (VDH); Aschenbach, Eric (VDH); Howell, Beth (MRC); Stagg, Ben (MRC)
Cc: Thompson, Debra (DEQ)
Subject: Permit Application Review for PERDUE FOODS,LLC (Permit No VA0003808)

Good Afternoon,

Attached for you review and comment is the reissuance application for PERDUE FOODS, LLC, located in Accomac, VA. An individual letter to each agency is also attached. Please contact me at your convenience if you have any questions.

Thank you, Debbie

Debra L. Thompson
Environmental Specialist II
VA Department of Environmental Quality
5636 Southern Boulevard
Virginia Beach, VA 23462
(757) 518-2162 phone

EMAIL ADDRESS:
debra.thompson@deq.virginia.gov
Office Info: http://www.deq.virginia.gov/regions/tidewater.html

14-4

Thompson, Debra (DEQ)

From: Rhoades, Randy <Randy.Rhoades@perdue.com>
Sent: Wednesday, May 11, 2016 8:35 AM
To: Thompson, Debra (DEQ)
Subject: Effluent Characteristics
Attachments: Eff characteristics last 3 Years.pdf

HI Debbie,

Enclosed is a chart showing the effluent characteristics over the last three years, with a separate listing for Total Phosphorus showing data since the permit change.

If you need anything further just let me know.

Randy Rhoades
Environmental Manager 1
Accomac Complex
Office 757-787-5289
Fax 410-341-5079

14-5 Perdue Foods, INC VA0003808

Effluent Characteristics Last 3 years

	Maximum Daily Value		Maximum 30 Day Value		Long Term AVG Value		No. of Analyses	Units	
Pollutant	Concentration	Mass	Concentration	Mass	Concentration	Mass		Concentration	Mass
Biochemical Oxygen Demand	8	148	5	98	2	41	430	Mg/l	Lbs
total Suspended Solids	26	466	11	196	5	83	429	Mg/l	Lbs
Ammonia	1.6	33	0.5	8	0.16	3	427	Mg/l	Lbs
Fecal Coliform	>1600		20		5		434	MPN/100	
Total Nitrogen	99	1654	86	1291	35	501	74	Mg/l	Lbs
Oil and Grease	10	181	7.5	135	5	92	188	Mg/l	Lbs
Total Phosphorus	3.8	60	1.5	29	0.56	10	450	Mg/l	Lbs
TP starting October 2015	0.33		0.15		0.08		70	Mg/l	
Total Cyanide	<5	<0.11	<5	<0.11	<5	<0.08	7	Ug/l	Lbs
Flow	3.31		2.46		2.17		998	MGD	

New Permit limit average of 0.10 M


filter press
DAF
sludge
old treatment lagoon
sludge Bunker
aeration
Recycle Lagoon
Process STW Pond
13
Image © 2011 Commonwealth of Virginia
© 2011 Google
©2010 Google
Imagery Date: Feb 1, 2007
37°44'07.71" N 75°39'29.45" W elev 13 m
Eye alt 888 m
old lagoon

14-7

Alert to corporations regarding unsolicited mailings from VIRGINIA COUNCIL F CORPORATIONS is available from the Bulletin Archive link of the Clerk's Office we

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Cor

Commonwealth of Virginia
State Corporation Commission

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08/25/16

LLCM3220 LLC DATA INQUIRY **11:03:14**

LLC ID: T051554 - 6 STATUS: 00 ACTIVE STATUS DATE: 10/17/12

LLC NAME: **Perdue Foods LLC**

DATE OF FILING: 10/17/2012 PERIOD OF DURATION: 99/99/9999 INDUSTRY CODE: 00

STATE OF FILING: MD MARYLAND MERGER INDICATOR: S SURVIVOR

CONVERSION/DOMESTICATION INDICATOR:

P R I N C I P A L O F F I C E A D D R E S S

STREET: 31149 OLD OCEAN CITY ROAD

CITY: SALISBURY STATE: MD ZIP: 21804-0000

R E G I S T E R E D A G E N T I N F O R M A T I O N

R/A NAME: CT CORPORATION SYSTEM

STREET: 4701 COX ROAD, SUITE 285

RTN MAIL:

CITY: GLEN ALLEN STATE: VA ZIP: 23060-0000

R/A STATUS: 5 ENTITY AUTHORIZ EFF DATE: 10/04/13 LOC: 143 HENRICO COUNTY

YEAR	FEES	PENALTY	INTEREST	BALANCE
16	50.00			

(Screen Id:/LLC_Data_Inquiry)

14-3

Perdue Farms Inc.
Environmental Affairs
22520 Lankford Hwy
Accomac, VA 23301

April 11, 2011

Ms. Debra L. Thompson
Environmental Engineer Senior
Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: Groundwater monitoring around Perdue Farms Inc. Anaerobic Lagoon.

Dear Ms. Thompson,

In follow up to our meeting on Tuesday March 29th Perdue Farms Inc. has developed a plan to monitor the groundwater around the Accomac Anaerobic Lagoon. Three four inch, thirty foot deep monitoring wells PVC piped with ten foot .020 screens at the bottom will be installed as listed below.

In review of the information from the 40' DEQ well located near the woods west of the anaerobic lagoon it was found that during one period of time the level of the water in the well dropped to 20.10' below the surface. Due to this Perdue Farms recommends the installation of 30' wells around the anaerobic lagoon. Historical data from this well is enclosed.

Monitoring well #1 will be located at a location of N 37° 44' 07" by W 75° 39' 43"
Monitoring well # 2 will be located at a location of N 37° 44' 10" by W 75° 39' 47"
Monitoring well #3 will be located at a location of N 37° 44' 16' by W 75° 39' 38"

Wells 1 and 2 are located in the general direction of groundwater flow from the area of the torn liner in the anaerobic lagoon and well 3 is on the opposite side of the lagoon.

A drawing showing the location of each well in relation to the anaerobic lagoon is also enclosed.

Perdue will monitor the wells on a quarterly basis and report the following parameters: Conductivity, Chlorides, Total Dissolved Solids, pH, Nitrate-Nitrogen, Ammonia Nitrogen, TKN and water level.

Two old four inch, fifteen foot deep wells are in the area of the lagoon. One is near the anaerobic lagoon outside of the fence line below the new sludge bunker and the other is several hundred feet in the field about halfway between Perdue's fence and the DEQ monitoring well site. These wells are not included in

Randy Rhoades, Wastewater Manager
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mailto:Randy.Rhoades@Perdue.com

14-9

our regular monitoring plans, because Perdue has no information on the construction of these wells and they are not located in the direction of groundwater flow from the anaerobic lagoon.

Perdue Farms Inc. is ready to install the monitoring wells and begin a monitoring program upon DEQ's approval of this plan.

Should you have any questions or need any further information, please do not hesitate to contact me at 757-787-5289 or via E-Mail.

Sincerely,

Randall B. Rhoades
Wastewater Manager
Accomac Complex

Randy Rhoades, Wastewater Manager
Office 757-787-5289
Fax 410-341-5079

mailto:Randy.Rhoades@Perdue.com

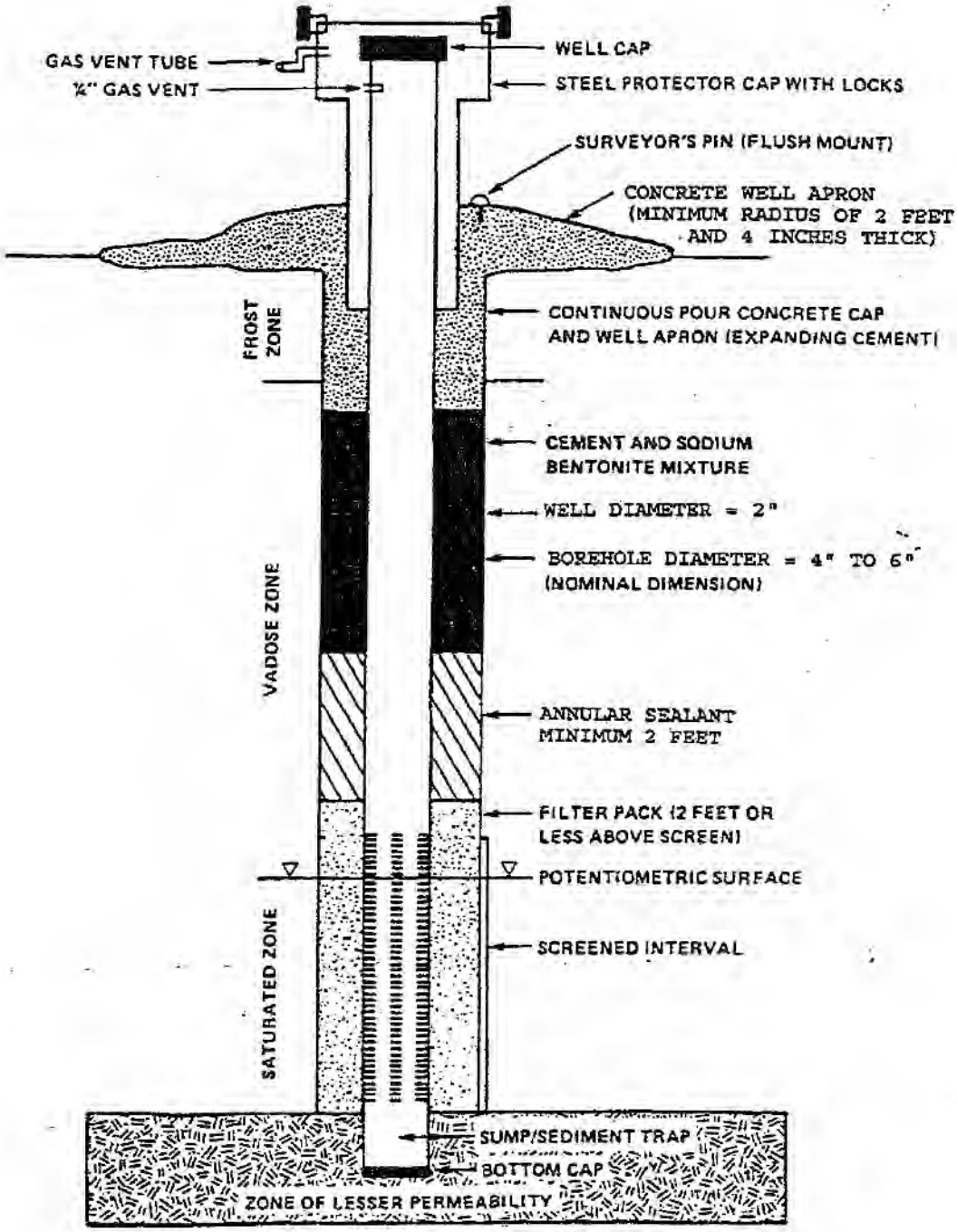
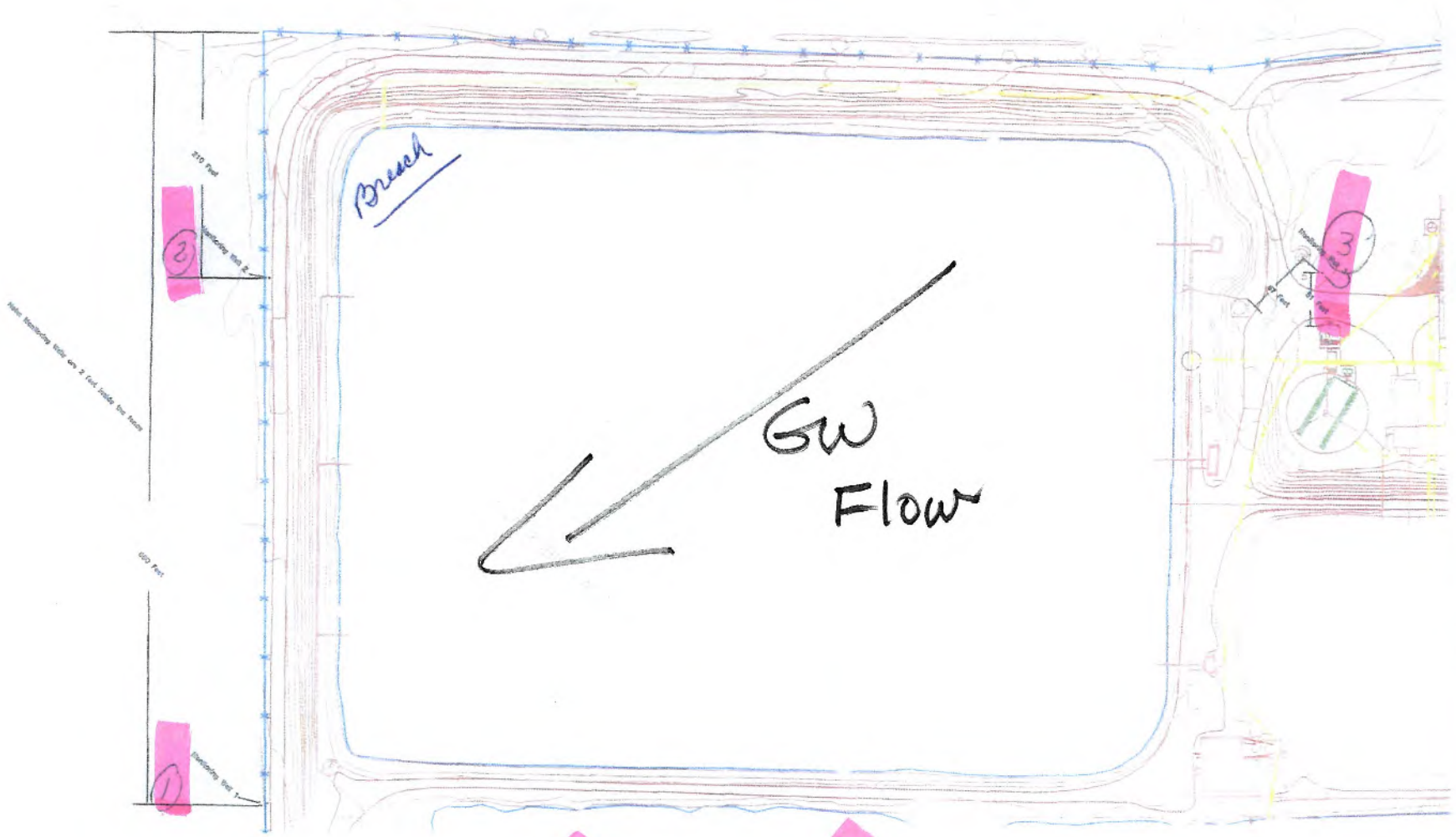


FIGURE 3-1. GENERAL MONITORING WELL – CROSS SECTION



8-24-16

14-17

June 17, 2016

Perdue Foods LLC.
Environmental Affairs
22520 Lankford Hwy
Accomac, VA 23301

(Via email [Stephen.Thomas@deq.virginia.gov])
Mr. Steve Thomas
Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: Response to Technical Inspection Reports, Request for corrective Action, dated May 31,2016
Permit No. VA0003808

Dear Mr. Thomas:

This letter is in follow-up to DEQ's Inspection report, Request for Corrective Action, stemming from the Technical Inspection conducted on May 11, 2016.

Regarding the first item in the corrective action section, Perdue began transferring flow from Lagoon 3 to Lagoon 4 near the end of June 2014. Since that time the liquid level of the lagoon has been on an constant downward trend, with the level at the end June 2014 being at 27" and excluding a period in the first quarter of 2015 when the level did go up due to a heavy amount of wet weather to 35" the level has constantly dropped since that time, except for the period just prior to your inspection in which the area had several weeks of rain which had the level at 24" at the time of your inspection. We have been able to drop the level back to 19" as of today. We started pumping lagoon 3 down in the third quarter 2014 by installing a 4" hose from the Lagoon 3 pumphouse A to the Lagoon 4 headworks; this was upgraded to a 4" pipe for a permanent installation in June of 2015. Since that pipe was installed we have pumped the lagoon on a regular basis (as the level in lagoon 4 would allow) dropping the level down to between 10-14" in December of 2015.

Since your visit, Perdue has been able to reduce the flow from Lagoon 3 to around 70 gpm which has allowed us to pump much more into Lagoon 4 by being able to level the A pumphouse pump running most of the time. A flowmeter has been added to this line so we will have an accurate knowledge of the amount of water pumped. We are also in the process of developing an SOP for the operators governing the pumping of the lagoon.

Concerning the second issue in the Corrective Action section:

The general consensus has been that the groundwater flow from lagoon 3 is toward groundwater wells 1 and 2, with well 3 being upstream. A sudden degradation of well 3 was noted in the 1st quarter 2015 sampling on several constituents, however the levels of these analysis has been dropping in the sampling conducted since that quarter.

Randy Rhoades, Environmental Manager I
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Fax 410-341-5079
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14-13

The area around well 3 is used as a staging area for heavy equipment and for equipment used for land application of sludge, with the sudden appearance of the increased levels during the time that equipment would have been staged for land application, it cannot be ruled out that this issue was caused by this staging. Since this was a sudden jump that has been declining since the 1st quarter 2015 sampling, Perdue believes that it is doubtful this was caused by the lagoon 3 torn liner.

Perdue will continue to pump and monitor the lowering of the liquid level in Lagoon 3 and are confident this will allow us to achieve as dry as possible condition in the lagoon. It also needs to be noted that the sludge or cap level in the lagoon has dropped by around 8' from where it started in July of 2014. This shows that the material in the lagoon is breaking down. With the liquid level being pumped at an increased rate and the continued monitoring of the groundwater wells around the lagoon, Perdue would like to allow the process that has started in the lagoon be allowed to continue.

If DEQ feels that a meeting is necessary to discuss this further, please contact me to arrange a suitable date and time.

Should you have any questions or need any further information, please do not hesitate to contact me at 757-787-5289 or via E-Mail.

Sincerely;

RB Rhoades

Randall B. Rhoades
Environmental Manager

Randy Rhoades (Environmental Manager)
Office 757-787-5289
Fax (410)341-5079
mailto:Randy_Rhoades@Perdue.com

14-14

Thompson, Debra (DEQ)

From: Brown, Brenda (DEQ)
Sent: Thursday, July 14, 2016 1:12 PM
To: Thompson, Debra (DEQ); Everton, Roger (DEQ)
Subject: RE: Perdue groundwater monitoring data trend analyses for chloride, conductivity, TDS, TOC, and TKN
Attachments: Perdue GW Monitoring Data Showing Trendlines for Chloride, Conductivity, TDS, TOC, and TKN.xlsx

Debbie and Roger,

Please find the attached trend analyses of data gathered at Perdue from May 2011 to March 2016 for chloride, conductivity, TDS, TOC, and TKN. Ammonia is also a good indicator but the data was not conducive to graphing since ~80% of the data points were "<0.2". Consequently, the data is deficient and no conclusions can be determined for Wells #1, #2, and #4. However, Well #3 does show an increasing trend in ammonia levels since all values have been above the detection limit since December 2014. Results are summarized in the table below.

Parameter of Interest	Wells With Changing Trend Levels of Concern
Chloride	None
Conductivity	Well #1 and Well #4
TDS	Well #1
TOC	Wells #1, #2, #3, and #4
TKN	Well #1 and Well #3
Ammonia	Well #3

In conclusion, all of the wells are showing trend levels that are indicative of a release from an anaerobic lagoon.

Let me know if you have any questions or comments.

Brenda

Well #	Well #1									
Location	Back of Lagoon at gate									
Analysis	Ammonia mg/l	TKN mg/l	Nitrate mg/l	Total Phosphorus mg/l	Depth of water ft	Chloride mg/l	Field pH s.u.	Conductivity umhos/cm	TDS mg/l	TOC mg/l
May-11	<0.2	**0.1**	1.05	0.03	9.00	38	6.00	302.2	188	6
Jun-11	<0.2	**0.1**	1.63	<0.02	9.20	33	6.00	248.9	162	7
Nov-11	<0.2	**0.1**	13.52	<0.02	8.70	16	6.00	263.6	193	4
Mar-12	<0.2	**0.1**	20.19	<0.02	7.55	20	4.90	302.0	257	2
Jun-12	<0.2	0.4	19.83	0.05	8.80	22	4.90	300.4	253	*0.9*
Sep-12	0.3	**0.1**	16.30	<0.02	9.38	28	4.90	296.4	263	2.5
Dec-12	<0.2	0.4	17.50	<0.02	8.17	30	5.20	335.0	264	*0.9*
Mar-13	<0.2	0.4	12.80	<0.02	3.82	51	5.30	437.1	259	*0.9*
Jun-13	<0.2	0.3	10.10	<0.02	5.97	30	5.40	343.9	253	*0.9*
Sep-13	<0.2	**0.1**	11.70	0.03	8.49	44	4.70	391.4	273	1.7
Dec-13	<0.2	0.9	6.50	0.02	8.38	36	4.10	295.1	158	2.13
Mar-14	<0.2	0.3	17.80	<0.02	5.80	36	5.00	481.0	283	1.67
Jun-14	<0.2	0.3	9.2	<0.02	6.13	26	5.10	312	242	2.83
Sep-14	<0.2	0.4	4.70	0.04	8.70	21	5.20	248.4	162	1.68
Dec-14	<0.2	0.2	9.30	<0.02	8.55	25	5.30	279.9	200	1.59
Mar-15	<0.2	0.29	25.90	<0.2	6.80	40	5.20	467.9	334	1.51
Jun-15	<0.2	0.2	20.10	<0.02	5.37	30.7	5.10	386.1	270	1.28
Sep-15	<0.2	0.3	20.30	<0.02	7.96	26.19	5.30	364.1	293	1.28
Dec-15	<0.2	0.3	21.80	<0.02	9.28	27.7	5.10	375.0	304	1.22
Mar-16	<0.2	0.2	17.50	<0.02	6.89	19.28	5.10	311.3	207	2.002

Detection limit is higher than groundwater standard. Compliance with the standard cannot be determined

Value exceeds the groundwater standard for the given analytes

NOTE (1): For graphing purposes for TKN data, "<0.2" changed to "**0.1**" for all wells.

NOTE (2): For graphing purposes for TOC data, "<1.0" changed to "*0.9* " for all wells.

In addition, Well #4 also had some data points as "<0.5" so those pts changed to "0.4"

14-15

Well #	Well #2									
Location	Back of Lagoon at fence									
Analysis	Ammonia mg/l	TKN mg/l	Nitrate mg/l	Total Phosphorus mg/l	Depth of water ft	Chloride mg/l	Field pH s.u.	Conductivity umhos/cm	TDS mg/l	TOC mg/l
May-11	<0.2	0.2	13.10	0.03	11.48	35.00	5.40	332.2	250	4.00
Jun-11	<0.2	**0.1**	14.20	0.02	11.67	28.00	5.40	308.3	223	8.00
Nov-11	<0.2	0.3	16.01	<0.02	11.27	21.00	5.10	316.0	217	9.00
Mar-12	<0.2	0.4	17.60	<0.02	10.10	23.00	4.90	214.3	255	5.00
Jun-12	<0.2	0.8	18.01	0.29	10.51	28.00	4.80	310.3	277	9.00
Sep-12	<0.2	0.5	12.10	0.09	11.92	28.00	4.70	261.0	216	4.10
Dec-12	<0.2	0.2	24.40	0.04	10.59	29.00	5.00	386.0	299	*0.90*
Mar-13	<0.2	**0.1**	18.00	<0.02	6.31	35.00	5.00	399.7	225	*0.90*
Jun-13	<0.2	0.3	18.30	<0.02	8.16	28.00	4.90	352.0	297	*0.90*
Sep-13	<0.2	0.3	10.00	<0.02	10.78	16.00	4.80	241.8	170	2.40
Dec-13	<0.2	0.7	13.00	0.09	11.02	21.00	4.40	268.3	138	2.25
Mar-14	<0.2	0.3	18.40	<0.02	8.32	21.00	4.70	303.0	211	1.35
Jun-14	<0.2	0.5	18.3	<0.02	8.33	15.00	4.60	295.7	248	4.83
Sep-14	<0.2	0.4	9.70	0.1	11.03	8.00	4.80	208.8	138	1.62
Dec-14	<0.2	**0.1**	13.50	<0.02	11.00	8.00	4.70	233.5	157	1.82
Mar-15	<0.2	0.34	21.40	<0.02	9.67	15.70	4.90	328.5	221	1.57
Jun-15	<0.2	**0.1**	19.60	<0.02	7.88	14.01	4.90	310.7	218	1.37
Sep-15	<0.2	0.2	11.10	<0.02	10.28	5.37	4.70	307.6	156	1.34
Dec-15	<0.2	0.4	12.20	<0.02	11.82	6.80	4.90	231.6	188	1.96
Mar-16	<0.2	0.2	20.40	0.04	9.81	7.88	4.90	283.8	205	2.91

Detection limit is higher than groundwater standard. Compliance with the standard cannot be determined

Value exceeds the groundwater standard for the given analytes

NOTE (1): For graphing purposes for TKN data, "<0.2" changed to "**0.1**" for all wells.

NOTE (2): For graphing purposes for TOC data, "<1.0" changed to "*0.9* " for all wells.

In addition, Well #4 also had some data points as "<0.5" so those pts changed to "0.4"

91-16

Well #	Well #3									
Location	Near DAF Bldg									
Analysis	Ammonia mg/l	TKN mg/l	Nitrate mg/l	Total Phosphorus mg/l	Depth of water ft	Chloride mg/l	Field pH s.u.	Conductivity umhos/cm	TDS mg/l	TOC mg/l
May-11	0.20	1.00	6.27	0.13	11.02	89.00	6.40	1148	712	39
Jun-11	<0.2	1.00	33.95	0.03	11.91	85.00	6.40	1158	696	68
Nov-11	1.00	2.40	27.34	0.06	10.85	68.00	6.40	878	585	67
Mar-12	<0.2	0.80	9.76	<0.02	9.91	36.00	6.00	422.1	406	40
Jun-12	<0.2	1.50	11.30	0.63	10.42	24.00	6.20	568	542	87
Sep-12	0.60	2.00	7.70	5.00	11.36	29.00	6.40	682	576	8.2
Dec-12	<0.2	0.80	7.60	0.08	10.53	19.00	5.90	774	487	2.2
Mar-13	<0.2	0.70	6.20	0.17	6.37	16.00	6.30	609	335	1.9
Jun-13	<0.2	0.90	11.40	0.16	7.78	28.00	6.40	834	571	*0.9*
Sep-13	<0.2	0.60	4.80	0.03	9.89	20.00	6.20	748	431	13.6
Dec-13	<0.2	1.20	3.10	0.19	10.31	19.00	5.90	748	406	16.50
Mar-14	<0.2	0.90	4.80	0.05	8.31	16.00	6.10	706	425	10
Jun-14	<0.2	0.8	8.20	0.11	7.69	11.00	6.1	811	507	19.2
Sep-14	<0.2	0.90	5.40	0.04	10.03	11.00	6.30	810	474	13
Dec-14	0.60	1.30	6.80	0.03	10.53	12.00	6.30	689	413	18.3
Mar-15	29.60	26.00	2.02	26.00	9.08	22.01	6.40	737	297	10.4
Jun-15	8.96	8.60	6.06	<0.02	8.22	11.58	6.20	878	337	6.98
Sep-15	7.06	7.70	7.48	<0.02	9.60	14.38	6.30	847	453	9.64
Dec-15	1.90	3.00	4.60	0.08	10.73	10.60	6.20	635	376	10.5
Mar-16	2.20	2.60	2.17	0.24	9.51	9.70	6.20	534	311	26

Detection limit is higher than groundwater standard. Compliance with the standard cannot be determined

Value exceeds the groundwater standard for the given analytes

NOTE (1): For graphing purposes for TKN data, "<0.2" changed to "**0.1**" for all wells.

NOTE (2): For graphing purposes for TOC data, "<1.0" changed to "*0.9* " for all wells.

In addition, Well #4 also had some data points as "<0.5" so those pts changed to "0.4"

11-21

Well #	Well #4									
Location	Field									
Analysis	Ammonia mg/l	TKN mg/l	Nitrate mg/l	Total Phosphorus mg/l	Depth of water ft	Chloride mg/l	Field pH s.u.	Conductivity umhos/cm	TDS mg/l	TOC mg/l
May-11	<0.2	0.30	7.10	0.06	11.40	14.00	5.20	80.6	150	*0.9*
Jun-11	<0.2	**0.1**	7.40	0.02	11.62	17.00	5.20	173.0	133	*0.9*
Nov-11	<0.2	0.20	6.36	0.04	11.30	12.00	6.60	178.3	120	2.00
Mar-12	<0.2	**0.1**	4.66	<0.02	10.02	13.00	5.70	130.0	103	*0.9*
Jun-12	<0.2	0.90	13.03	0.60	10.39	18.00	5.20	199.0	166	1.00
Sep-12	0.3	1.00	12.30	0.62	12.10	19.00	5.00	207.5	178	3.80
Dec-12	<0.2	0.40	13.40	0.07	10.47	18.00	5.20	217.0	171	*0.9*
Mar-13	<0.2	0.30	15.70	0.09	5.98	22.00	5.40	258.9	150	1.00
Jun-13	<0.2	0.30	12.80	<0.02	7.51	24.00	5.20	257.3	171	*0.9*
Sep-13	<0.2	0.30	14.30	0.10	10.37	29.00	5.90	288.3	211	1.10
Dec-13	<0.2	1.20	12.20	0.21	11.19	27.00	4.40	259.5	130	3.12
Mar-14	<0.2	0.40	12.50	0.09	8.51	25.00	5.10	280.0	188	0.91
Jun-14	<0.2	0.4	8.9	<0.02	7.89	19.00	5.10	218.4	191	1.85
Sep-14	<0.2	0.40	11.80	0.06	10.70	21.00	5.80	269.4	190	1.18
Dec-14	<0.2	**0.1**	7.90	0.04	10.75	16.00	5.20	175.4	132	1.12
Mar-15	<0.2	0.41	7.49	0.06	9.51	11.57	5.50	159.3	96	1.30
Jun-15	<0.2	**0.1**	7.56	0.02	8.37	12.90	1.28	179.2	124	*0.9*
Sep-15	<0.2	0.30	7.67	<0.02	10.03	11.17	5.30	203.5	131	*0.40*
Dec-15	<0.2	0.30	9.70	0.04	11.72	14.90	5.50	201.0	179	*0.40*
Mar-16	<0.2	0.30	2.24	0.18	9.71	6.34	5.80	106.9	67	1.88

Detection limit is higher than groundwater standard. Compliance with the standard cannot be determined

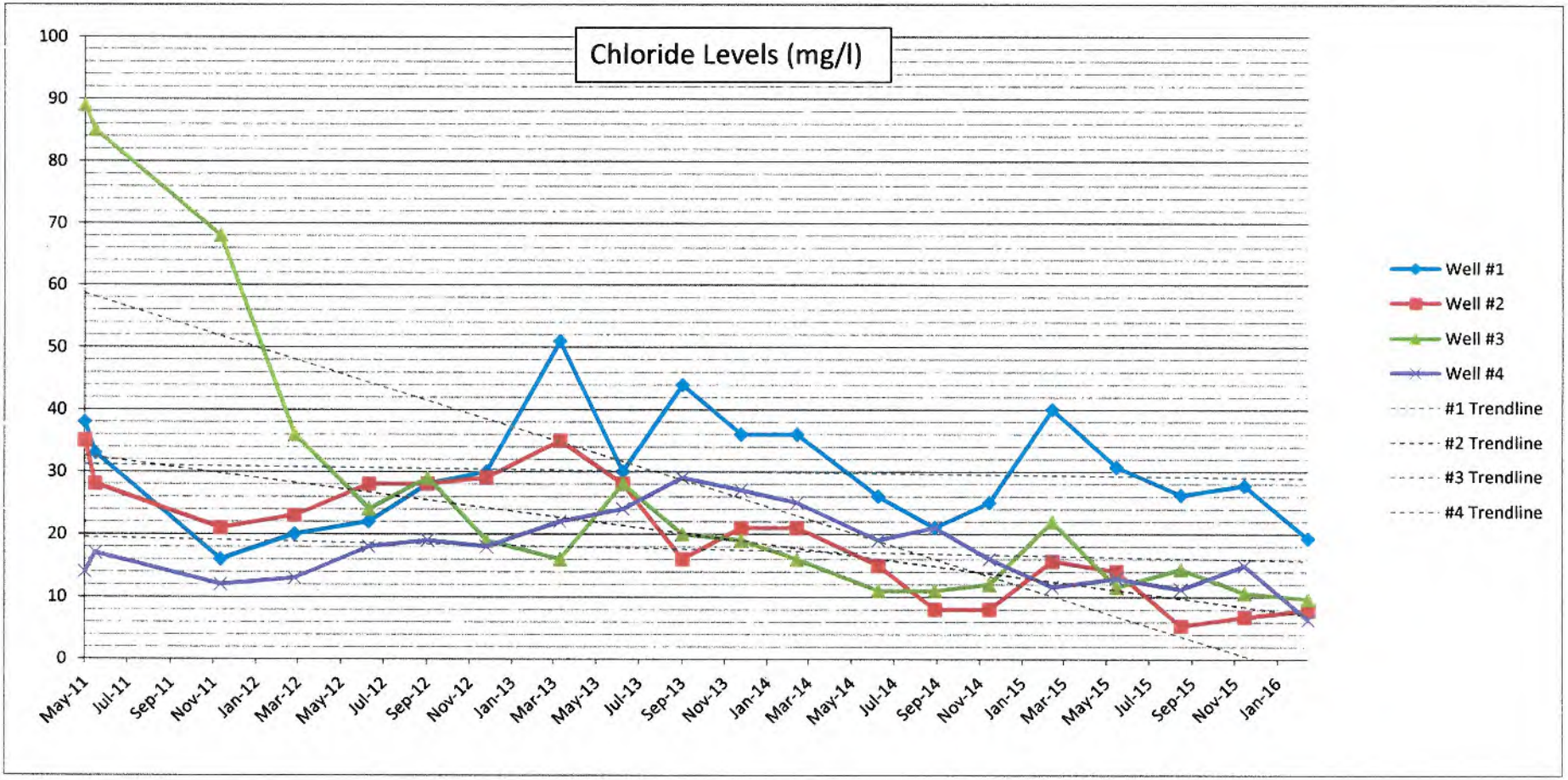
Value exceeds the groundwater standard for the given analytes

NOTE (1): For graphing purposes for TKN data, "<0.2" changed to "**0.1**" for all wells.

NOTE (2): For graphing purposes for TOC data, "<1.0" changed to "*0.9*" for all wells.

In addition, Well #4 also had some data points as "<0.5" so those pts changed to "0.4"

81-41


Chloride Levels (mg/l)
100
90
80
70
60
50
40
30
20
10
0
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
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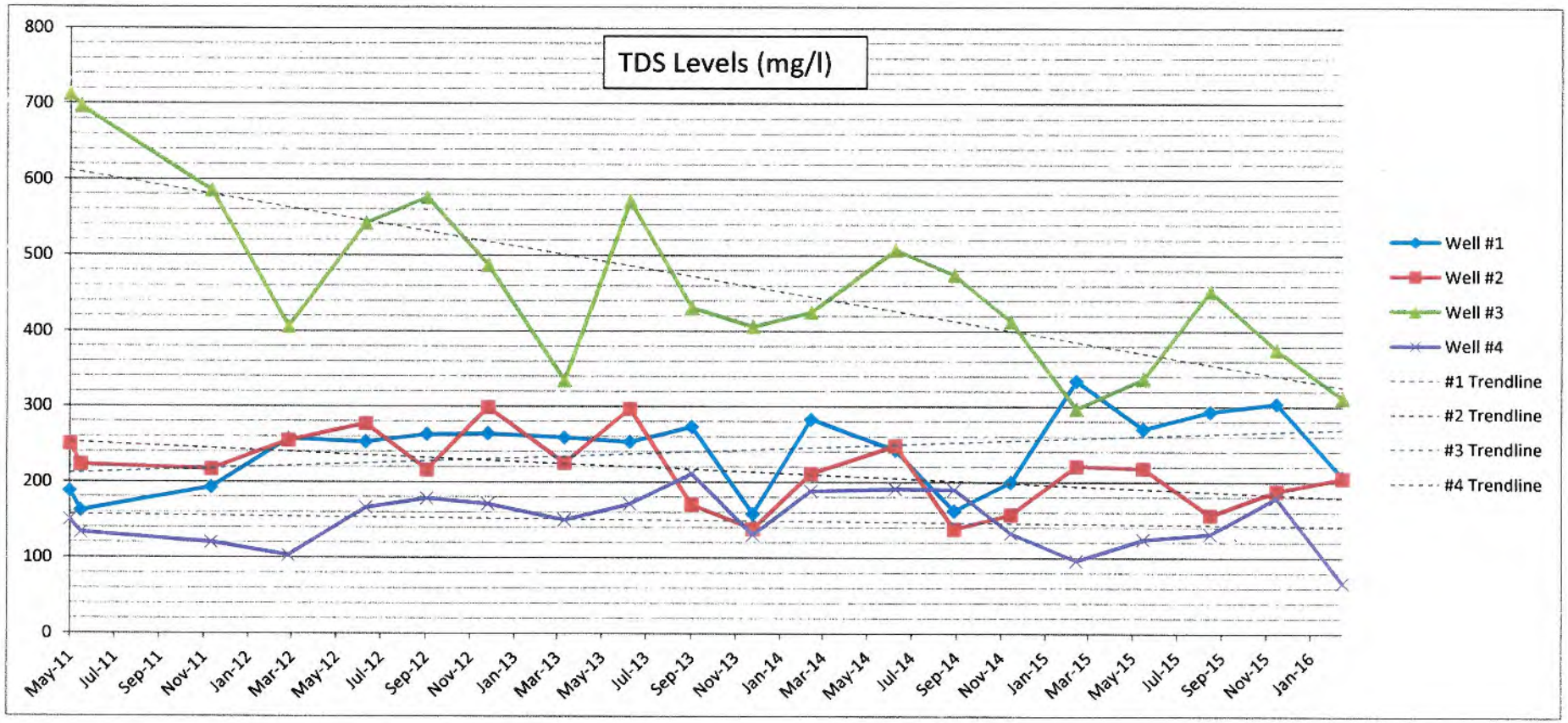
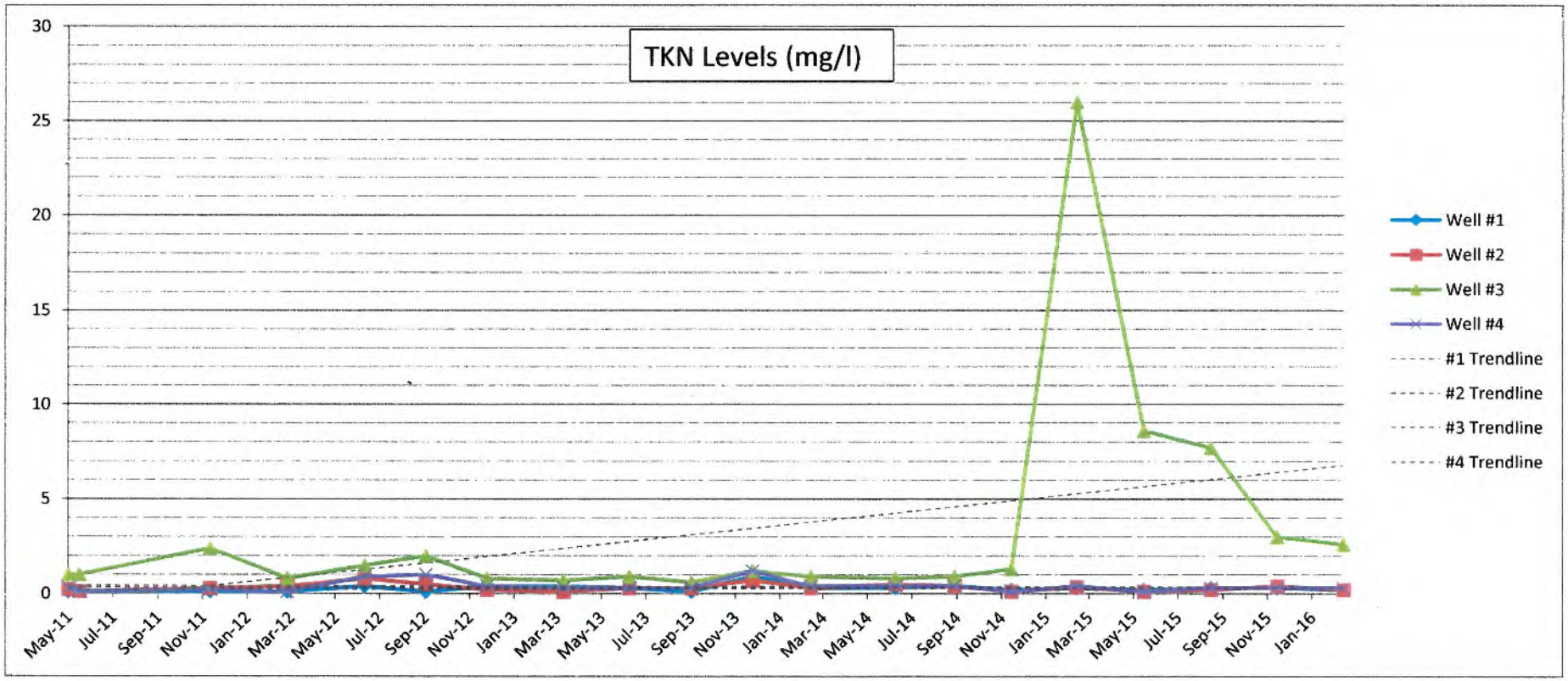
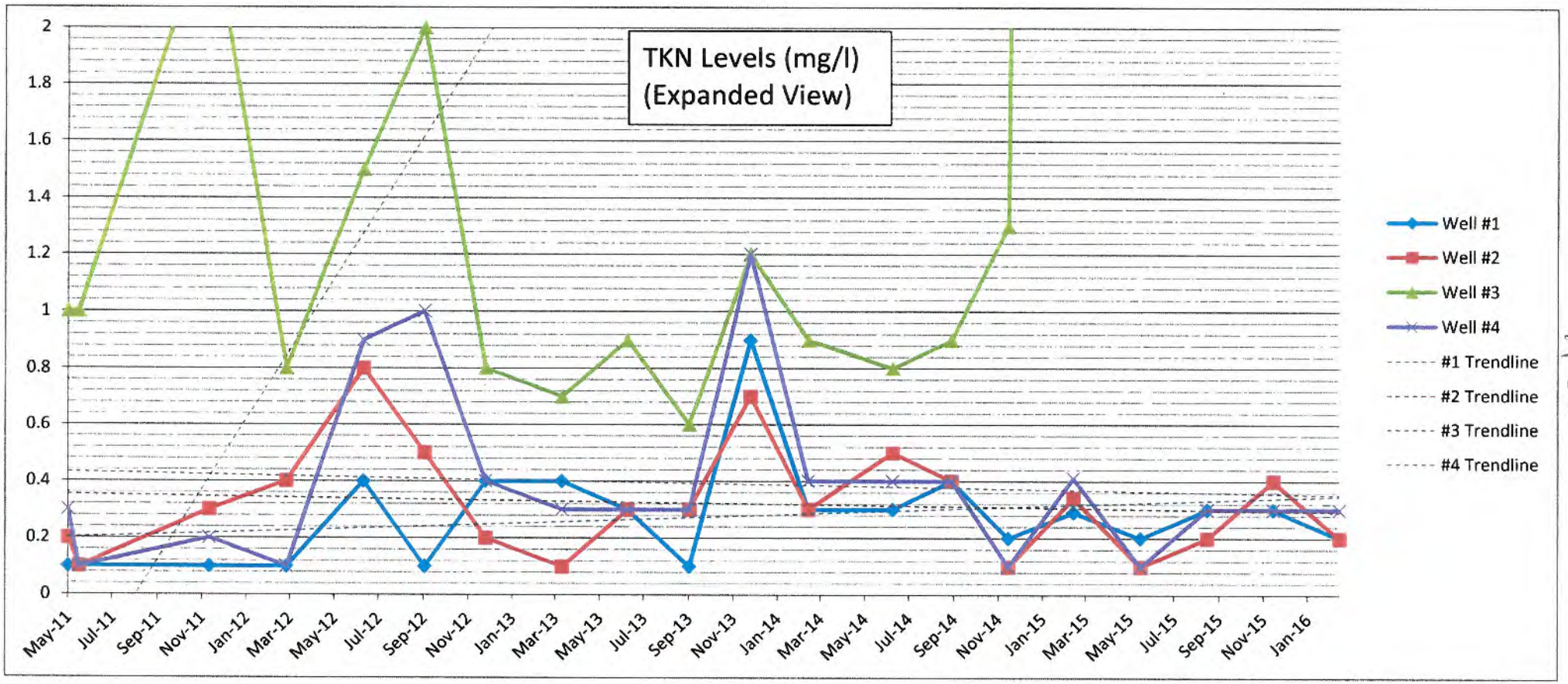
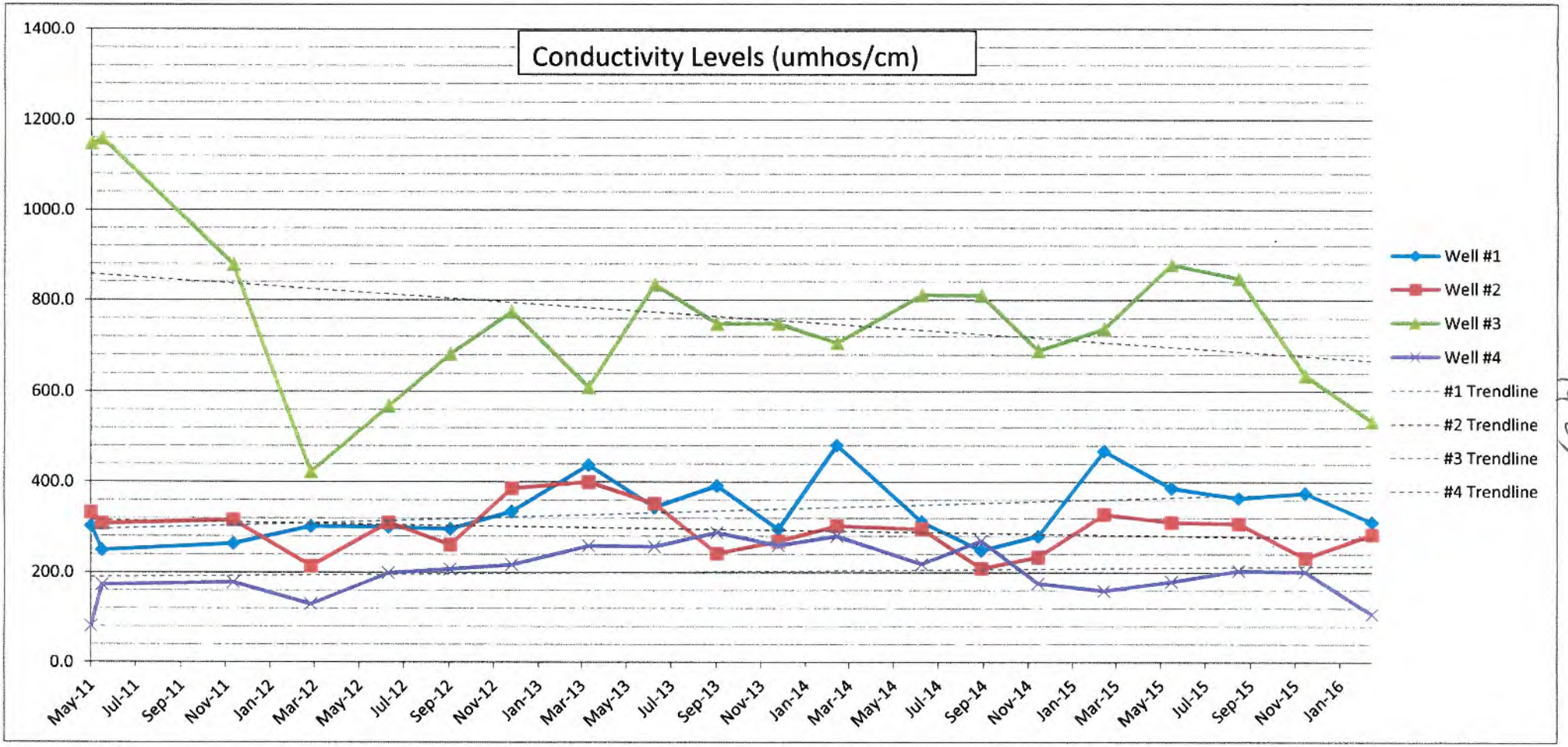
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Well #1
Well #2
Well #3
Well #4
#1 Trendline
#2 Trendline
#3 Trendline
#4 Trendline


TDS Levels (mg/l)
800
700
600
500
400
300
200
100
0
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Well #1
Well #2
Well #3
Well #4
#1 Trendline
#2 Trendline
#3 Trendline
#4 Trendline

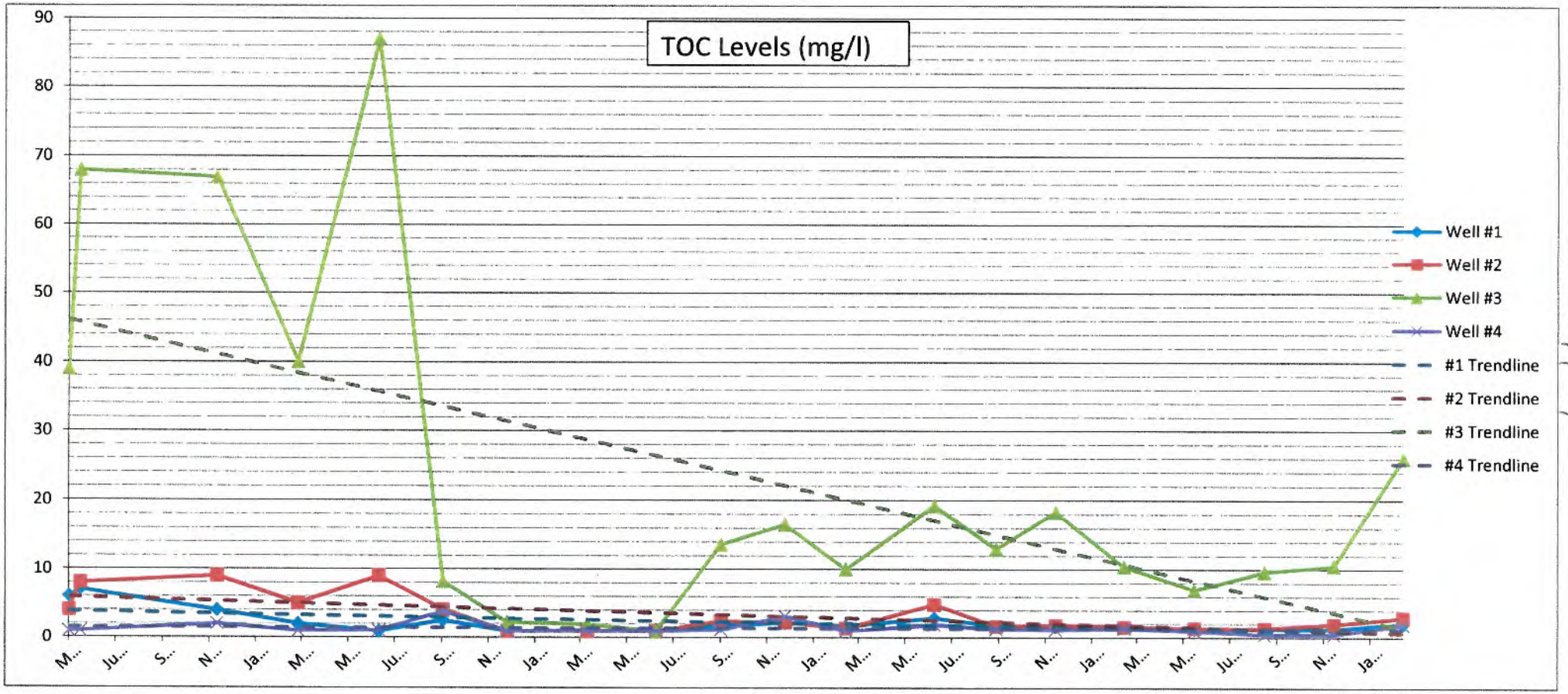

TKN Levels (mg/l)
30
25
20
15
10
5
0
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Well #1
Well #2
Well #3
Well #4
#1 Trendline
#2 Trendline
#3 Trendline
#4 Trendline

12-41

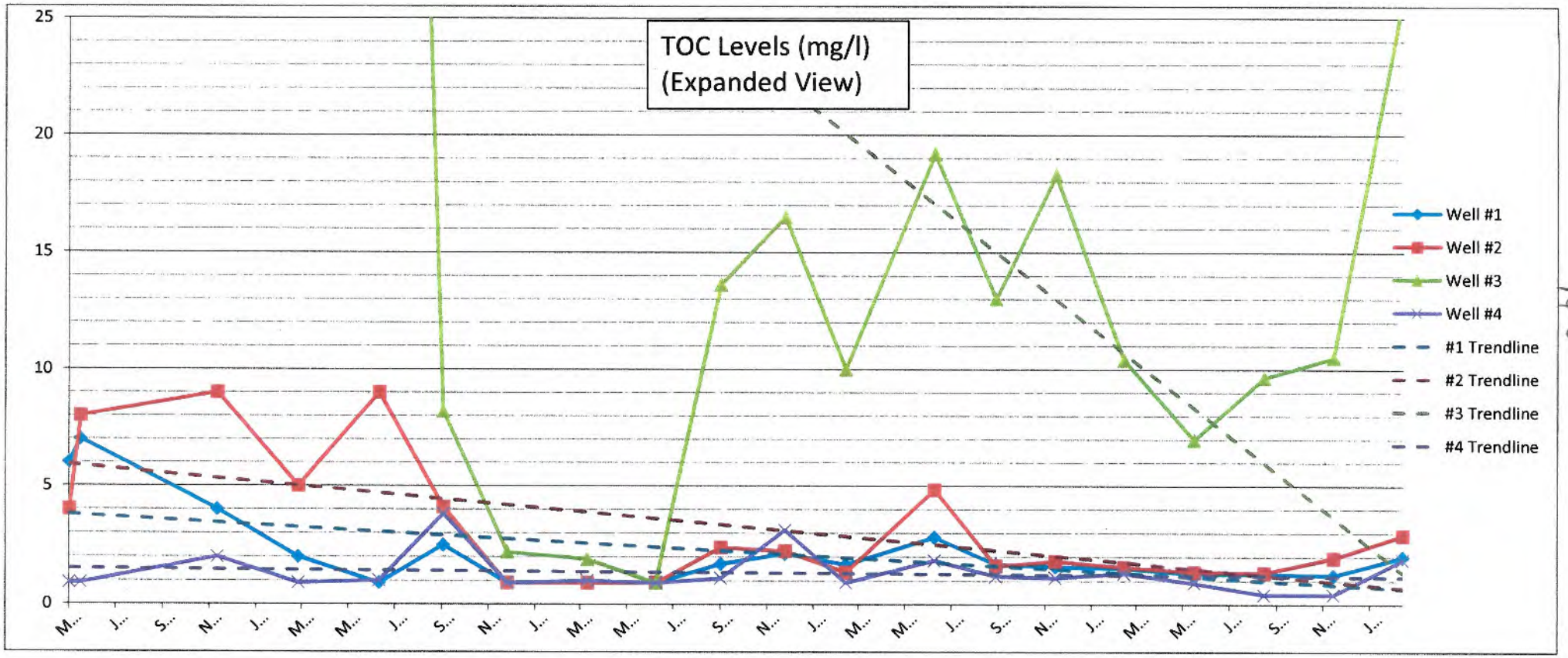

TKN Levels (mg/l)
(Expanded View)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Well #1
Well #2
Well #3
Well #4
#1 Trendline
#2 Trendline
#3 Trendline
#4 Trendline


Conductivity Levels (umhos/cm)
1400.0
1200.0
1000.0
800.0
600.0
400.0
200.0
0.0
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Well #1
Well #2
Well #3
Well #4
#1 Trendline
#2 Trendline
#3 Trendline
#4 Trendline

42-41


TOC Levels (mg/l)
90
80
70
60
50
40
30
20
10
0
Well #1
Well #2
Well #3
Well #4
#1 Trendline
#2 Trendline
#3 Trendline
#4 Trendline

42-24


TOC Levels (mg/l)
(Expanded View)
25
20
15
10
5
0
Well #1
Well #2
Well #3
Well #4
#1 Trendline
#2 Trendline
#3 Trendline
#4 Trendline